MARTINEZ BUILDING 19, OUTPATIENT CLINIC, INTERIORS PHASE 2

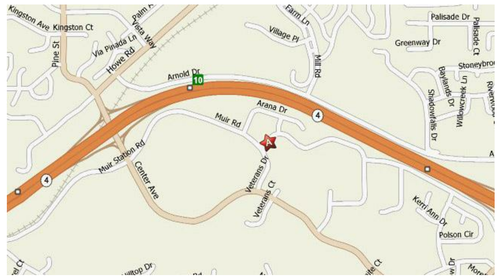
US DEPARTMENT OF VETERANS AFFAIRS
VANCHCS, MARTINZEZ CAMPUS
BUILDING 19
150 MUIR ROAD
VANCHCS, MARTINEZ CA 94553

VA PROJECT NO : VA261-12-J-1814
HILLIARD ARCHITECTS PROJECT NO : 612-12-281FCA

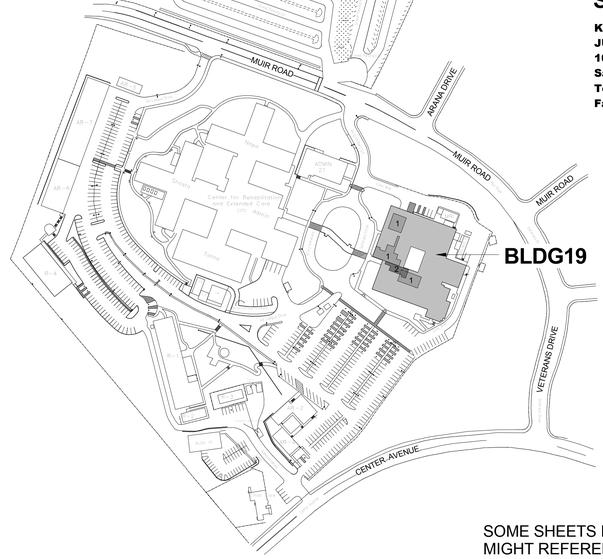
VETERANS AFFAIRS NORTHERN CALIFORNIA HEALTH CARE SYSTEM

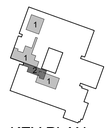
RENDERING OF MAIN
RECEPTION AREA

VICINITY MAP



CAMPUS MAP





KEY PLAN
1: AREA OF WORK ON LEVEL 1
2: AREA OF WORK ON LEVEL 2

SOME SHEETS IN THIS SET OF DRAWINGS MIGHT REFERENCE FUTURE PROJECTS. FOR CLARIFICATION SEE INSTRUCTIONS TO BIDDERS — PROJECT SCOPE OF WORK (SOW)

3 SITE

N

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FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

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Drawing Title: **COVER SHEET**
Approved: Project Director
Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**
Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**
Date: **03.10.2014**
Checked: **K.T.**
Drawn: **MU, NM, LH**
Project Number: **612-12-281FCA**
Building Number: **19**
Drawing Number: **G0.00**
Dwg. **1** of **75**

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

INTERPRETATION OF THE DRAWINGS

1. DIMENSIONS OF EXISTING WORK ARE FROM FACE OF FINISH. DIMENSIONS OF NEW WORK ARE TO FACE OF STUD.
2. BASEBOARD: REPLACE/PROVIDE NEW BASEBOARD AT NEW WALLS, AND AT NEW FLOORING.
3. DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
4. IF ANY DISCREPANCIES OR OMISSIONS IN THE DIMENSIONS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IMMEDIATELY. ANY WORK DONE WITHOUT PROPER NOTIFICATION BEING GIVEN TO THE CONTRACTING OFFICER IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

COORDINATION OF WORK

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS REQUIRED FROM REGULATING AGENCIES BEFORE STARTING ANY WORK.
2. THE GENERAL CONTRACTOR SHALL REVIEW ALL SUBMITTALS FROM SUBCONTRACTORS PRIOR TO SUBMITTING THEM TO THE CONTRACTING OFFICER.
3. CONTRACTOR TO COORDINATE ALL WORK OF ALL TRADES AND WORKING TIME AND METHODS WITH THE V.A. TO INSURE MINIMUM DISTURBANCE TO THE BUILDING FUNCTIONS WILL OCCUR.
4. NO SPLICING OF VOICE/DATA CABLING IS ALLOWED. EXTEND CABLING FROM NEAREST COMMUNICATION CLOSET.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE WARRANTIES OF EXISTING SYSTEMS SUCH AS FIRE ALARM AND HVAC IN COORDINATION WITH SERVICING COMPANY. ASSOCIATED COSTS SHALL BE INCLUDED IN CONTRACTOR'S BID.

CONSTRUCTION SITE CONDITIONS

1. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE WORKING CONDITIONS AT THE JOB SITE, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY.
2. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING FIELD CONDITIONS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL REPORT ANY PROBLEMS TO THE VA COTR. CHANGES RESULTING FROM CONDITIONS ARISING IN THE FIELD WHICH ARE NOT BROUGHT TO THE ATTENTION OF THE VA COTR WILL NOT RESULT IN ANY ADDITIONAL COST TO THE CLIENT.
3. ANY EXISTING ITEMS WHICH ARE SCHEDULED TO BE REMOVED AND REINSTALLED SHALL BE SAFELY PROTECTED THROUGHOUT REMOVAL, STORAGE, AND REINSTALLATION PROCEDURES.
4. ANY DAMAGE DONE BY THE CONTRACTOR TO THE EXISTING BUILDING, EQUIPMENT, OR FURNISHINGS SHALL BE PATCHED TO MATCH UNDAMAGED EXISTING ADJACENT CONSTRUCTION OR REPAIRED TO ORIGINAL CONDITION AND FUNCTION PRIOR TO DAMAGE. ALL SUCH PATCHING AND REPAIR SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL MAINTAIN THE PREMISES IN A CLEAN AND ORDERLY MANNER. PATHS OF TRAVEL SHALL NOT BE BLOCKED. THE CONTRACTOR SHALL LEAVE AREA CLEAN AND FREE OF DEBRIS AT THE END OF EACH WORK DAY.
6. WORK MAY NEED TO BE PERFORMED OUTSIDE REGULAR BUSINESS HOURS. CONTRACTOR WILL BE REQUIRED TO STOP WORK TEMPORARILY FOR THE CONVENIENCE OF THE CLIENT AND PATIENT CARE AT THE REQUEST OF THE PROJECT MANAGER. SUCH COST SHALL BE INCLUDED IN THE BASE BID AND WILL NOT BE BILLABLE SEPARATELY TO THE CLIENT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL LEFT-OVER MATERIALS, DEBRIS, TOOLS AND EQUIPMENT USED IN THE CONSTRUCTION AT THE END OF THE PROJECT.

APPLICABLE CODES & STANDARDS

ALL CONSTRUCTION WORK, ARCHITECTURAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, ETC. SHALL CONFORM TO THE MOST CURRENT ISSUE OF THE INTERNATIONAL BUILDING CODE, AND ANY APPLICABLE LOCAL, STATE AND FEDERAL CODES AND GUIDELINES.

2012 NFPA 101 LIFE SAFETY CODE
2012 INTERNATIONAL BUILDING CODE (IBC)
2012 INTERNATIONAL FIRE CODE (IFC)
2012 INTERNATIONAL MECHANICAL CODE (IMC)
2011 NFPA 70 NATIONAL ELECTRICAL CODE
2012 INTERNATIONAL PLUMBING CODE (IPC)
NFPA 10. PORTABLE FIRE EXTINGUISHERS, 2010 ED.
NFPA 13 INSTALLATION OF FIRE SPRINKLERS, 2010 ED.
ASCE/SEI 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
HANDICAPPED ACCESSIBILITY STANDARDS, SEE A0.02

SYMBOLS

DEMOLISHED WALL
EXISTING WALL
NEW NON-RATED WALL
NEW 1 HOUR AREA SEPARATION
NEW 2 HOUR AREA SEPARATION

F.O.F. F.O.S. — DIMENSIONS FROM FACE OF FINISH TO FACE OF STUD WHERE NOTED
CENTERLINE OF COLUMN OR STUD, ETC.
AREAS OF NO WORK
ROOM NAME / 101 — ROOM NAME AND NUMBER
GRAPHIC SCALE (0' 1' 2' 4')

DOOR SYMBOL
FRAME TYPE
DOOR TYPE
DOOR MODIFICATION
DOOR SIZE
DOOR ID (1 2 / S M / 101A)
WINDOW TAG (1t)
WORK POINT OR CONTROL POINT
REVISION (AREA OF REVISION IN CLOUD) (1)
WALL OR PARTITION TYPE (A)
EXISTING DOOR
NEW DOOR (5" U.O.N.)
EQUIPMENT TAG (REF / Equipment Name)

DETAIL INDICATOR (01 / 8-10 / 01)
DETAIL
REFERENCE DRAWING NUMBER

ELEVATION INDICATOR, EXTERIOR (01 / 5-10)
EXTERIOR ELEVATION IDENTIFICATION
REFERENCE DRAWING NUMBER

ELEVATION INDICATOR, INTERIOR (01 / 04 / 5-10 / 02 / 03)
INTERIOR ELEVATION IDENTIFICATION
REFERENCE DRAWING NUMBER

BUILDING SECTION INDICATOR (01 / 3-10)
SECTION IDENTIFICATION
REFERENCE DRAWING NUMBER

NORTH
NORTH ARROW

CONCRETE
EARTH
GRAVEL
STAINLESS STEEL
WOOD
GYP. BOARD
CERAMIC TILE (ELEVATION)
CERAMIC TILE (SECTION)
COUNTER TOP MATERIAL
BATT INSULATION
RIGID INSULATION
LEVEL 3 BALLISTIC FIBERGLASS

PROJECT DESCRIPTION

INTERIOR REMODEL OF AN EXISTING OUTPATIENT CLINIC, IN THE FOLLOWING SPACES:

1. MAIN RECEPTION, VOLUNTEER DESK, PATIENT EDUCATION AND MAIN LOBBY
2. PRIMARY CARE RECEPTION AND WAITING WITH BLOOD DRAW REMODEL AND EXPANSION
3. URGENT CARE NURSE STATION, RECEPTION AND STORAGE ROOMS REMODEL
4. RECEPTION D
5. POLICE OFFICE

BUILDING INFORMATION

OCC. CLASSIFICATION:	GROUP B
CONSTRUCTION TYP.:	V NON-RATED
NUMBER OF STORIES:	2
AUTOMATIC SPRINKLER SYSTEM:	FULLY SPRINKLERED

DRAWING INDEX

SHEET LIST LEGEND
[redacted] INDICATES SHEETS OF FUTURE WORK NOT INCLUDED IN THIS SCOPE OF WORK.

GENERAL SHEETS

G0.00 COVER SHEET
G0.01 TITLE SHEET
G0.02 AREA OF WORK DIAGRAMS
3

ARCHITECTURAL SHEETS

A0.01 ABBREVIATIONS
A0.02 ACCESSIBILITY REQUIREMENTS
[redacted]
A30.1 PRIMARY CARE PHASING DIAGRAM
AD32.1 PRIMARY CARE DEMOLITION PLAN
A32.1 PRIMARY CARE FLOOR PLAN
AD36.1 PRIMARY CARE DEMOLITION REFLECTED CEILING PLAN
A36.1 PRIMARY CARE REFLECTED CEILING PLAN
A35.1 PRIMARY CARE INTERIOR ELEVATIONS
A35.2 PRIMARY CARE & BLOOD DRAW INTERIOR ELEVATIONS
A39.1 PRIMARY CARE CASEWORK DETAILS
[redacted]
A9.11 DOOR/HARDWARE SCHEDULES AND DETAILS
A9.21 PARTITION SCHEDULE AND DETAILS
A9.41 FINISH SCHEDULE, EQUIPMENT SCHEDULE, AND DETAILS
A9.51 GENERAL DETAILS
A9.61 CEILING ASSEMBLY DETAILS
A9.62 CEILING ASSEMBLY DETAILS
A9.63 CEILING ASSEMBLY DETAILS
A9.64 CEILING ASSEMBLY DETAILS
A9.91 CASEWORK DETAILS - WORKSTATION 1
A9.92 CASEWORK DETAILS - TYPICAL
A9.93 SCREEN DETAILS - TYPICAL
45

MECHANICAL SHEETS

M0.01 MECHANICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
[redacted]
MD32.1 PRIMARY CARE MECHANICAL DEMOLITION PLAN
M32.1 PRIMARY CARE MECHANICAL NEW PLAN
7

ELECTRICAL SHEETS

E0.01 ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
E0.03 ELECTRICAL FIXTURE SCHEDULE
[redacted]
ED32.1 PRIMARY CARE POWER DEMOLITION PLAN
E32.1 PRIMARY CARE POWER NEW PLAN
ED36.1 PRIMARY CARE LIGHTING DEMOLITION PLAN
E36.1 PRIMARY CARE LIGHTING NEW PLAN
[redacted]
E6.01 SINGLE LINE DIAGRAM
E6.02 SINGLE LINE DIAGRAM
E6.51 PANEL SCHEDULES
18

SIGNAGE SHEETS

[redacted]
AG32.1 PRIMARY CARE SIGN LOCATION PLAN
AG9.11 SIGN SCHEDULE
AG9.21 SIGN TYPE DETAILS
AG9.31 SIGN TYPE DETAILS
AG9.41 SIGN TYPE & INSTALLATION DETAILS
AG9.51 INSTALLATION DETAILS
8

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

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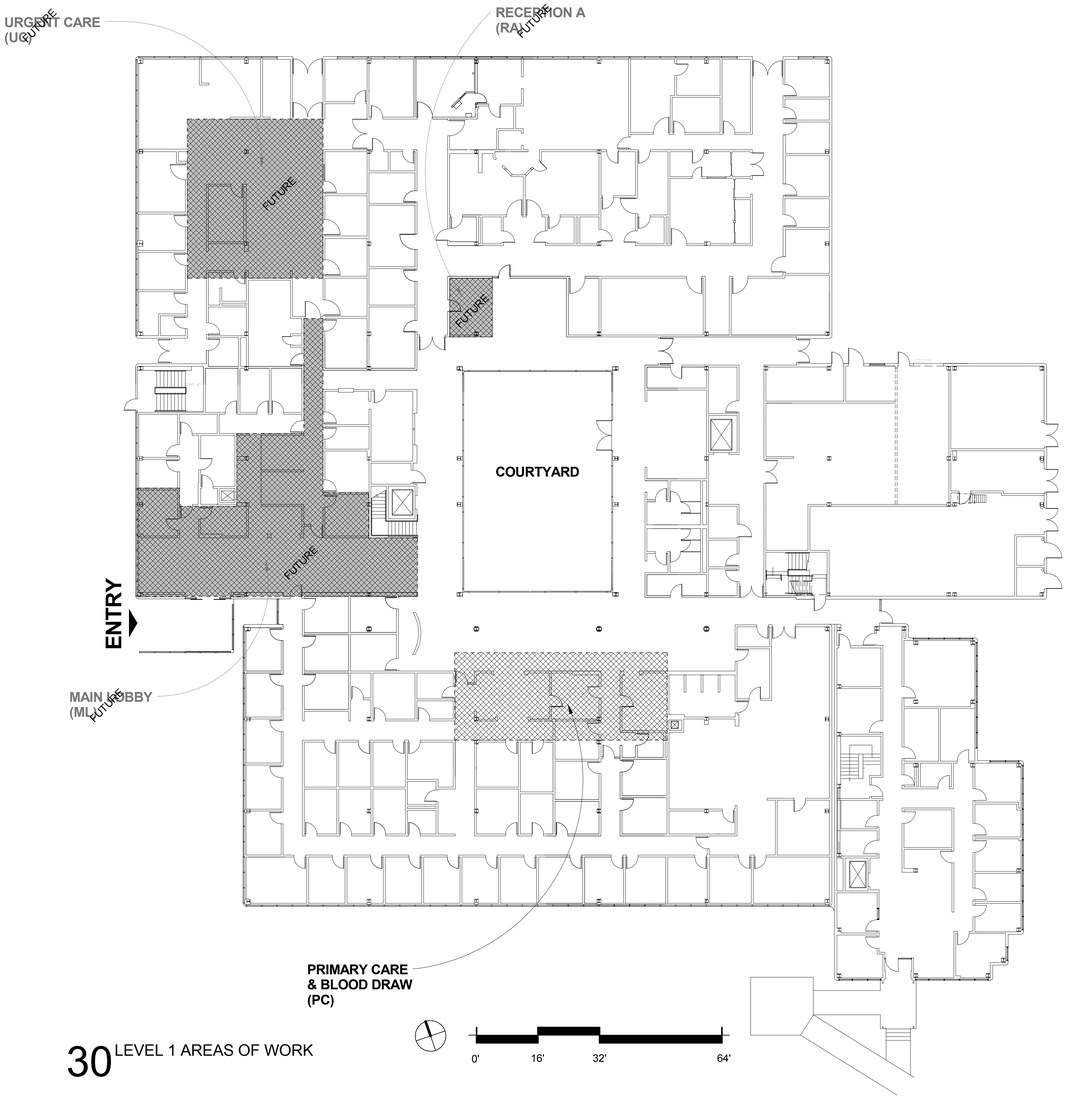
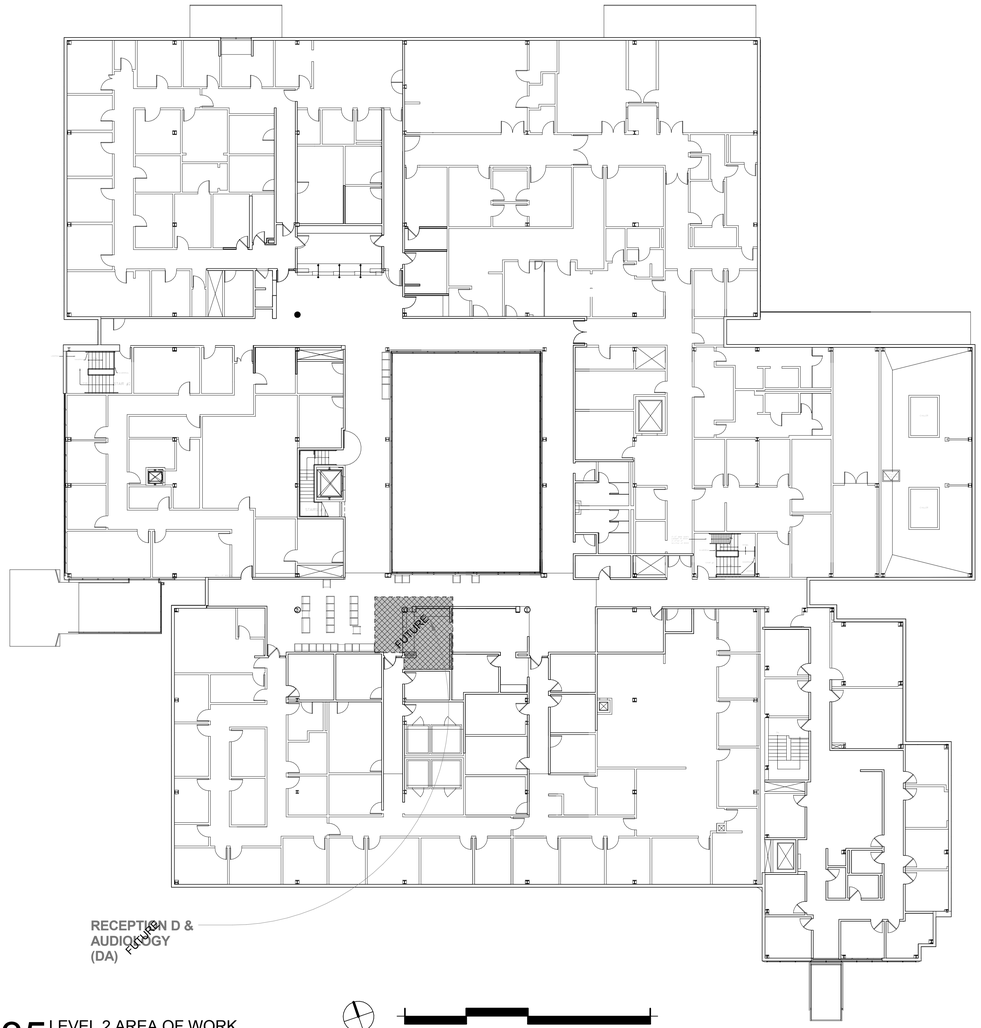
Drawing Title: **TITLE SHEET**	Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**	Project Number: **612-12-281FCA**	Office of Construction and Facilities Management
Approved: Project Director	Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**	Building Number: **19**	
	Date: **03.10.2014** / Checked: **K.T.** / Drawn: **MU, NM, LH**	Drawing Number: **G0.01** Dwg. **2** of **75**	Department of Veterans Affairs

VA FORM 08-6231



30 LEVEL 1 AREAS OF WORK



35 LEVEL 2 AREA OF WORK

LEGEND

AREA OF WORK

AREA OF FUTURE WORK

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

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Drawing Title: **AREA OF WORK DIAGRAMS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **G0.02**

Dwg. **3** of **75**

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ABBREVIATIONS

A — LABEL CLASS A DOOR
A/C — AIR CONDITION
A/C UNIT — AIR CONDITIONING UNIT
A/E — ARCHITECT/ENGINEER
AAMA — AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION
AB — ANCHOR BOLT
ABC — AGGREGATE BASE COURSE
ABV — ABOVE
AC — ASBESTOS CEMENT OR ASPHALTIC CONCRETE
ACI — AMERICAN CONCRETE INSTITUT
ACOUS — ACOUSTICAL
ACS DR — ACCESS DOOR
ACS FLR — ACCESS FLOOR
ACS PNL — ACCESS PANEL
ACST — ACOUSTIC
ACT — ACOUSTIC CEILING TILE
ACT — ACOUSTICAL CEILING TILE
AD — AREA DRAIN
AD — AREA DRAIN
ADA — AMERICANS WITH DISABILITIES ACT
ADB — AUTOMATIC DOOR BOTTOM
ADC — AUTOMATIC DOOR CLOSER
ADDL — ADDITIONAL
ADDN — ADDITION
ADH — ADHESIVE
ADJ — ADJACENT, ADJOINING, OR ADJUSTABLE
ADMIN — ADMINISTRATION
AFC — ABOVE FINISHED COUNTER
AFF — ABOVE FINISHED FLOOR
AFF — ABOVE FINISHED FLOOR
AFG — ABOVE FINISHED GRADE
AFS — ABOVE FINISHED SLAB
AGA — AMERICAN GAS ASSOCIATION
AGC — ASSOCIATED GENERAL CONTRACTORS
AGGR — AGGREGATE
AHJ — AUTHORITY HAVING JURISDICTION
AHR — ANCHOR
AHU — AIR HANDLING UNIT
AI — ASQUISITION AND INSTALLATION
AIA — AMERICAN INSTITUTE OF ARCHITECTS
AISC — AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL/ALUM — ALUMINUM
ALT — ALTERNATE
ALT NO — ALTERNATE NUMBER
AMP — AMPERE
AMT — AMOUNT
ANOD — ANODIZE
ANSI — AMERICAN NATIONAL STANDARDS INSTITUTE
ANT — ANTENNA
APA — AMERICAN PLYWOOD ASSOCIATION
APPD — APPROVED
APPROX — APPROXIMATE
APT — APARTMENT
AR — AS REQUIRED
ARCH — ARCHITECT(URAL)
ASB — ASBESTOS
ASI — ARCHITECT'S SUPPLEMENTAL INSTRUCTION
ASKLR — AUTOMATIC SPRINKLER
ASPH — ASPHALT
ASSN — ASSOCIATION
ASTM — AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATCH — ATTACHMENT
ATM — AUTOMATIC TELLER MACHINE
ATS — AUTOMATIC TRANSFER SWITCH
AUTO — AUTOMATIC
AUX — AUXILIARY
AV — AUDIO VISUAL
AVE — AVENUE
AVG — AVERAGE
AW — ACID WASTE
AWI — ARCHITECTURAL WOODWORKING INSTITUTE
AWPA — AMERICAN WOOD PRESERVERS' ASSOCIATION
AWS — AMERICAN WELDING SOCIETY
AWT — ACOUSTICAL WALL TREATMENT
B — LABEL CLASS B DOOR
B PL — BASE PLATE
BALC — BALCONY
BAT — BATTEN
BB — BULLETIN BOARD
BD — BOARD
BD FT — BOARD FEET (FOOT)
BEV — BEVEL
BHMA — BUILDER'S HARDWARE MANUFACTURER'S ASSOCIATION
BI FLD DR — BIFOLDING DOORS
BITUM — BITUMINOUS
BKG — BACKING
BLD — BUILD
BLDG — BUILDING
BLK. — BLOCK
BLKG — BLOCKING
BLKT — BLANKET
BLVD — BOULEVARD
BM — BENCH MARK
BM — BEAM OR BENCHMARK
BO — BOTTOM OF
BOT — BOTTOM
BR — BEDROOM
BRCG — BRACING
BRDG JST — BRIDGING JOIST
BRG — BEARING
BRG PL — BEARING PLATE
BRKT — BRACKET
BRZ — BRONZE
BSMT — BASEMENT
BTWN — BETWEEN
BU — BUSHEL
BUR — BUILT-UP ROOFING
C — CELSIUS OR CHANNEL
C — LABEL CLASS C DOOR
C CONC — CAST CONCRETE
C TO C — CENTER TO CENTER
CAB — CABINET
CAC — CEILING ATTENUATION CLASS
CANT — CANTILEVER
CB — CATCH BASIN OR CORNER BEAD
CBB — CEMENTITIOUS (BACKER) BOARD
CC — CONTRACTOR FURNISHED AND INSTALLED
CC — CUBIC CENTIMETER
CCTV — CLOSED CIRCUIT TELEVISION
CCW — COUNTERCLOCKWISE
CD — CONSTRUCTION DOCUMENTS OR CONTRACT DOCUMENTS
CEM — CEMENT(ITIOUS)
CEM PLAS — CEMENT PLASTER
CER — CERAMIC
CF — CONTRACTOR FURNISHED
CF/CI — CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CF/OI — CONTRACTOR FURNISHED/OWNER INSTALLED
CFLG — COUNTERFLASHING
CFM — CUBIC FEET PER MINUTE
CFMF — COLD-FORMED METAL FRAMING
CFS — CUBIC FEET PER SECOND
CG — CENTER OF GRAVITY OR CORNER GUARD
CGSFU — CERAMIC GLAZED STRUCTURAL FACING UNITS
CH BD — CHALKBOARD
CHEM — CHEMICAL
CHFR — CHAMFER
CHK — CHECK
CI — CAST IRON
CIP — CAST-IN-PLACE
CIR — CIRCLE
CIRC — CIRCULAR
CJ — CONSTRUCTION JOINT OR CONTROL JOINT
CL — CENTER LINE
CLDG — CLADDING
CLG — CEILING
CLG HT — CEILING HEIGHT
CLKG — CAULKING
CLO — CLOSET
CLR — CLEAR
CM — CONSTRUCTION MANAGEMENT
CM^2 — SQUARE CENTIMETER
CM^3 — CUBIC CENTIMETER
CMU — CONCRETE MASONRY UNIT
CNR — CORNER
CNTR — COUNTER
CO — CARBON MONOXIDE, CERTIFICATE OF OCCUPANCY, CLEANOUT, CASED OPENIN OR COMPANY
CO2 — CARBON DIOXIDE
COL — COLUMN
COM — COMMON
COMB — COMBINATION, COMBINED
COMM — COMMUNICATION
COMP — COMPONENT
CONC — CONCRETE
CONC FLR — CONCRETE FLOOR
COND — CONDENSER OR CONDITION
CONF — CONFERENCE
CONN — CONNECT
CONSTR — CONSTRUCTION
CONT — CONTINUOUS
CONTR — CONTRACTOR
COORD — COORDINATE
CORR — CORRIDOR
CPM — CRITICAL PATH METHOD
CPRS — COMPRESSIBLE
CPT — CARPET
CRS — COLD ROLLED STEEL
CRSI — CONCRETE REINFORCING STEEL INSTITUTE
CSB — CONCRETE SPLASH BLOCK
CSG — CASING
CSI — CONSTRUCTION SPECIFICATIONS INSTITUTE
CSK — COUNTER SUNK
CSMT — CASEMENT
CSWK — CASEWORK
CT — CERAMIC TILE
CTB — CERAMIC TILE BASE
CTF — CERAMIC TILE FLOOR
CTG — COATING
CTR — CENTER
CTR — CENTER CONTOUR
CTRL — CONTROL
CTV — CABLE TELEVISION
CU — COPPER C
CU FT — CUBIC FEET
CU IN — CUBIC INCH
CU YD — CUBIC YARD
CURT — CURTAIN
CYL — CYLINDER
CYL L — CYLINDER LOCK
D — DEPTH OR PENNY (NAIL)
D — LABEL CLASS D DOOR
DAT — DATUM
DB — DECIBEL
DBL — DOUBLE
DBL GLZ — DOUBLE GLAZE
DC — DIRECT CURRENT
DEG — DEGREE
DEL — DELETE
DEMO — DEMOLITION
DEPT — DEPARTMENT
DET — DETAIL
DF — DRINKING FOUNTAIN
DIA — DIAMETER
DIAG — DIAGONAL OR DIAGRAM
DIFF — DIFFERENCE OR DIFFUSER
DIM — DIMENSION
DIR — DIRECTION
DISP — DISPENSER
DIST — DISTANCE
DIV — DIVIDE OR DIVISION
DL — DEAD LOAD
DN — DOWN
DOC — DOCUMENT
DOUG FIR — DOUGLAS FIR
DOZ — DOZEN
DR — DOOR, DRAIN, DRESSING ROOM, OR DRIVE
DR CL — DOOR CLOSER
DR FR — DOOR FRAME
DR OPNG — DOOR OPENING
DS — DOWNSPOUT
DSGN — DESIGN
DSP — DRY DOWN SPOUT
DW — DISHWASHER
DWG — DRAWING
DWR — DRAWER
DWTR — DUMBWAITER
E — EAST
E — LABEL CLASS E DOOR
EA — EACH
EFF — EFFICIENCY
EFS — EXTERIOR FINISH SYSTEM
EIFS — EXTERIOR INSULATION AND FINISH SYSTE
EJ — EXPANSION JOINT
EL — ELEVATION
ELAST — ELASTOMERIC
ELEC — ELECTRIC(AL)
ELEC DR OP — ELECTRIC DOOR OPENER
ELEV — ELEVATOR
EMER — EMERGENCY
EMER SHR — EMERGENCY SHOWER
ENCL — ENCLOSURE
ENGR — ENGINEER
ENVIR — ENVIRONMENT
EP — ELECTRICAL PANEL
EPA — ENVIRONMENTAL PROTECTION AGENCY
EPDM — ETHYLENE PROPYLENE DIENE MONOMER
EPO — EMERGENCY POWER OFF
EPS — EXPANDED POLYSTYRENE BOARD (INSULATION)
EQ — EQUAL
EQL SP — EQUALLY SPACED
EQUIP — EQUIPMENT
EQUIV — EQUIVALENT
ERD — EXISTING ROOF DRAIN
ESC — ESCAPE OR ESCUTCHEON
ESCAL — ESCALATOR
ESMT — EASEMENT
ESP — ESPECIALLY
EST — ESTIMATE
ETC — AND SO FORTH OR ET CETERA
EW — EACH WAY
EWC — ELECTRIC WATER COOLER
EWS — EYE WASH STATION
EXH — EXHAUST
EXIST — EXISTING
EXP — EXPANSION
EXP BT — EXPANSION BOLT
EXPO — EXPOSED
EXST GR — EXISTING GRADE
EXT — EXTERIOR, EXTERNAL, OR EXTINGUISHER
EXT GR — EXTERIOR GRADE
F — FAHRENHEIT OR FEMALE
FA — FIRE ALARM
FAB — FABRIC
FAC — FACTOR
FACIL — FACILITY
FAS — FASCIA
FAS BD — FASCIA BOARD
FB — FLAT BAR
FCO — FLOOR CLEANOUT
FCTY — FACTORY
FD — FLOOR DRAIN
FDC — FIRE DEPARTMENT CONNECTION
FDTN — FOUNDATION
FE — FIRE EXTINGUISHER
FEC — F.E. CLOSET
FEC — FIRE EXTINGUISHER CABINET
FF — FINISH FACE
FF EL — FINISH FLOOR ELEVATION
FF&E — FURNITURE, FIXTURE, AND EQUIPMENT
FH — FLAT HEAD
FH — FLAT HEAD OR FLAT HEAD SCREWS
FHC — FIRE HOSE CABINET
FHMS — FLAT HEAD MACHINE SCREW
FHP — FULL HEIGHT PARTITION
FHWS — FLAT HEAD WOOD SCREW
FHWS. — FLAT HEAD WOOD SCREW
FIG — FIGURE
FIL — FILLET
FIN — FINISH
FIN FLR — FINISH FLOOR
FIN GR — FINISH GRADE
FIN WD — FINISH WOOD
FIXT — FIXTURE
FL — FLOOR LINE
FLASH — FLASHING
FLDG — FOLDING
FLEX — FLEXIBLE
FLG — FLOORING
FLR — FLOOR
FLR FIN — FLOOR FINISH
FLR SK — FLOOR SINK
FLUOR — FLUORESCENT
FLUOR FIX — FLUORESCENT FIXTURE
FLUOR. — FLUORESCENT
FM — FACTORY MUTUAL
FM-G — FACTORY MUTUAL GLOBAL
FO — FACE OF
FO — FINISHED OPENING
FOC — FACE OF CONCRETE OR FACE OF CURB
FOF — FACE OF FINISH
FOF — FACE OF FINISH
FOM — FACE OF MASONRY
FOS — FACE OF STUD
FOS — FACE OF SLAB OR FACE OF STUD
FOUNT — FOUNTAIN
FOW — FACE OF WALL
FP — FIRE PROTECTION OR FIREPROOF
FPM — FEET PER MINUTE
FPRF. — FIREPROOF
FPS — FEET PER SECOND
FR — FIRE RATING, FIRE RESISTANT, OR FRAME
FR SNK — FLUSHING RIM SINK
FREQ — FREQUENCY
FRMG — FRAMING
FRP — FIBERGLASS REINFORCED PANEL
FRP — FIBER REINFORCED POLYESTER OR FIBERGLASS REINFORCED PLASTIC
FRZ — FREEZER
FS — FULL SIZE
FS — FEDERAL SPECIFICATION
FSTNR — FASTENER
FT — FEET OR FOOT
FTG — FOOTING
FURG — FURRING
FURN — FURNISH OR FURNITURE
FUT — FUTURE
FWC — FABRIC WALLCOVERING
G.F.I.C. — GROUND FAULT INTERRUPTER
G.L.B. — GLUE LAMINATED BEAM
GA — GAUGE
GA — GAGE OR GYPSUM ASSOCIATION
GAL — GALLON
GALV — ALVANIC OR GALVANIZED
GALV STL — GALVANIZED STEEL
GB — GRAB BAR
GC — GENERAL CONTRACTOR
GD — GUARD
GDR — GUARD RAIL
GEN — GENERAL OR GENERATOR
GFRC — GLASS-FIBER-REINFORCED CONCRETE
GFRG — GLASS-FIBER-REINFORCED GYPSUM
GFRP — GLASS-FIBER-REINFORCED PLASTIC
GI — GALVANIZED IRON
GL — GLASS
GL BLK — GLASS BLOCK
GLU LAM — GLUED LAMINATED WOOD
GND. — GROUND
GR FL — GROUND FLOOR
GR. — GRADE
GRAN — GRANITE
GRTG — GRATING
GSB — GYPSUM SHEATHING BOARD
GSM — GALVANIZED SHEET METAL
GSU — GLAZED STRUCTURAL UNIT
GT — GROUT
GUAR — GUARANTEE
GUT — GUTTER
GYP — GYPSUM
GYP BD — GYPSUM BOARD
GYP PLAS — GYPSUM PLASTER
H — HIGH
H PLAM — HIGH PRESSURE PLASTIC LAMINATE
HAZ MAT — HAZARDOUS MATERIALS
HB — HOSE BIBB
HC — HOLLOW CORE
HCWD — HOLLOW CORE WOOD DOOR
HDBD — HARDBOARD
HDNR — HARDENER
HDO — HIGH DENSITY OVERLAY
HDR — HEADER
HDW — HARDWARE
HDWD — HARDWOOD
HEPA — HIGH EFFICIENCY PARTICULATE AIR (FILTER)
HEX — HEXAGON(AL)
HF — HIGH FREQUENCY
HGR — HANGER
HS — HIGH STRENGTH
HM — HECTOMETER
HM — HOLLOW METAL
HMD — HOLLOW METAL DOOR
HMDF — HOLLOW METAL DOOR AND FRAME
HMF — HOLLOW METAL FRAME
HNDRL — HANDRAIL
HO — HOLD OPEN
HORIZ — HORIZONTAL
HOSP — HOSPITAL
HP — HIGH PRESSURE OR HORSEPOWER
HQ — HEADQUARTERS
HR. — HOUR
HS — HEAT-STRENGTHENED (GLASS) OR
HSE — HOUSE
HSKPG — HOUSEKEEPING
HST — HOIST
HT — HEIGHT
HVAC — HEATING, VENTILATING, AND AIR CONDITIONING
HVY — HEAVY
HW — HOT WATER
HYD — HYDRANT
HYDR — HYDRAULIC
I — INTERSTATE (HIGHWAY) OR MOMENT OF INERTIA
IAQ — INDOOR AIR QUALITY
IBC — INTERNATIONAL BUILDING CODE
ID — IDENTIFICATION, INSIDE DIAMETER, OR INTERIOR DESIGN
ID NO — IDENTIFICATION NUMBER
ILLUM — ILLUMINATION
INCL — INCLUDED
IND — INDEPENDENT OR INDUSTRIAL
INFO — INFORMATION
INSUL — INSULATION
INT — INTERIOR
INTERCOM — INTERCOMMUNICATION
INTL — INTERNATIONAL
IRMA — INVERTED ROOF MEMBRANE ASSEMBLY
ISO. JT. — ISOLATION JOINT
IWH — INSTANTANEOUS WATER HEATER
JAN — JANITOR
J-BOX — JUNCTION BOX
JT. — JOINT
KD — KILN DRIED OR KNOCKED DOWN
KIT — KITCHEN
KO — KNOCKOUT
KPL — KICKPLATE
L — ANGLE
L. — LENGTH
L.B. — LAG BOLT
LAB — LABORATORY
LAD — LADDER
LAM — GL LAMINATED GLASS
LAM. — LAMINATE(D)
LAU — LAUNDRY
LAV — LAVATORY
LBR — LUMBER
LBS — POUND
LD BRG — LOAD-BEARING
LDR — LEADER
LED — LIGHT EMITTING DIODE
LF — LINEAR FEET (FOOT)
LH — LEFT HAND
LHR — LEFT HAND REVERSE
LHR — LEFT HAND REVERSE LATENT HEAT RATIO
LIB — LIBRARY
LIN — LINEAR
LINO — LINOLEUM
LIQ — LIQUID
LKR — LOCKER
LKR RM — LOCKER ROOM
LKWASH — LOCKWASHER
LL — LEAD LINED
LLH — LONG LEG HORIZONTAL
LLV — LONG LEG VERTICAL
LMST — LIMESTONE
LNDSCP — LANDSCAPE
LR — LIVING ROOM
LRG — LARGE
LRV — LOUVERED ROOF VENT
LS — LUMP SUM
LT — LIGHT
LT GA — LIGHT GAGE
LT WT — LIGHTWEIGHT
LTG — LIGHTING
LTNG — LIGHTNING
LVD — LOUVERED
LVR — LOUVER
LWC — LIGHTWEIGHT CONCRETE
LWIC — LIGHTWEIGHT INSULATING CONCRETE
LYR — LAYER
M.C. — MEDICINE CABINET
MACH — MACHINE
MACH RM — MACHINE ROOM
MAINT — MAINTENANCE
MAN — MANUAL
MATL — MATERIAL
MATV — MASTER ANTENNA TELEVISION SYSTEM
MAX — MAXIMUM
MB — MACHINE BOLT
MCB — METAL CORNER BEAD
MD — DECK
ME — MECHANICAL ENGINEER
MEAS — MEASURE
MECH — MECHANICAL
MECH RM — MECHANICAL ROOM
MED — MEDICAL MEDIUM
MED — MEDIUM MEDICAL
MEK — METHYL ETHYL KETONE
MEL — MELAMINE
MEMB — MEMBRANE
MEMO — MEMORANDUM
MEZZ — MEZZANINE
MF — MILL FINISH
MFD — MANUFACTURED
MFG — MANUFACTURING
MFR — MANUFACTURER
MFR REC — MANUFACTURER'S RECOMMENDATION
MGT — MANAGEMENT
MH — MANHOLE
MIC — MICROPHONE
MID — MIDDLE
MIL STD — MILITARY STANDARD
MIN — MINIMUM OR MINUTE
MIRR — MIRROR
MISC — MISCELLANEOUS
MIT — MITER
MKR — MARKER
ML — METAL LATH
MLDG — MOLDING (MOULDING)
MLWK — MILLWORK
MM — MILLIMETER
MO — MASONRY OPENING OR MOTOR OPERATED
MOD — MODEL, MODIFY OR MODULE
MOD BIT — MODIFIED BITUMEN
MON — MONITOR
MOPR — MOP RACK
MP — MIDPOINT
MR — MOISTURE RESISTANT
MS — MACHINE SCREW OR MOP SINK
MTD — MOUNTED
MTG — MOUNTING
MTL — METAL
MULL — MULLION
MW — MICROWAVE
MWP — MEMBRANE WATERPROOFING
N — NORTH
N.T.S. — NOT TO SCALE
NA — NOT APPLICABLE
NAAMM — NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS
NAT — NATURAL
NATL — NATIONAL
NC — NOISE CRITERIA
NCOMBL — NONCOMBUSTIBLE
NEC — NATIONAL ELECTRICAL CODE
NEG — NEGATIVE
NEMA — NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT — NEUTRAL
NFC — NATIONAL FIRE CODE
NFPA — NATIONAL FIRE PROTECTION ASSOCIATION
NIC — NOT IN CONTRACT
NLB — NON-LOAD BEARING
NO — NUMBER
NOM — NOMINAL
NR — NOISE REDUCTION
NRC — NOISE REDUCTION COEFFICIENT
NRCA — NATIONAL ROOFING CONTRACTORS ASSOCIATION
NRP — NONREMOVABLE
NS — NARROW STILE
NUM — NUMERAL
O — OXYGEN
O.A. — OVERALL
O.D. — OUTSIDE DIAMETER
O.F.C.I. — OWNER FURNISHED CONTRACTOR INSTALLED
O.H.S. — OVAL HEAD SCREW
O/O — OUT TO OUT
OA — UTSIDE AIR OR OVERALL
OBS. — OBSCURE
OC — ON CENTER
OCC — OCCUPY
OCC. — OCCUPANCY
OCT — OCTAGON
OD — OUTSIDE DIMENSION
OUTSIDE DIAMETER
OF/CI — OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI — OWNER FURNISHED/ OWNER INSTALLED
OFD — OVERFLOW DRAIN
OFF — OFFICE
ORG — ORGANIC
ORIG — ORIGINAL
ORN — ORNAMENTAL
OH — OVERHANG
OH DR — OVERHEAD (COILING) DOOR
OPH — OPPOSITE HAND
OPNG — OPENING
OPP — OPPOSITE
OPR — OPERABLE
OPT — OPTIONAL
OR — OPERATING ROOM OR OUTSIDE RADIUS
ORD — ORDNANCE OR OVERFLOW ROOF DRAIN
OSHA — OCCUPATIONAL SAFETY AND HEALTH ADMINSTRATION
OUT — OUTLET
OZ — OUNCE
P.T.D/R — COMBO PAPER TOWEL DISPENSER/ RECEPTACLE
P.T.R. — PAPER TOWEL RECEPTACLE
PAR — PARALLEL OR PARAPET
PARA — PARAGRAPH
PART — PARTIAL
PAT — PATTERN
PB — PUSHBUTTON
PBD — PARTICLEBOARD
PC — PIECE, POLYCARBONATE OR PORTLAND CEMENT
PCA — PORTLAND CEMENT ASSOCIATION
PCC — PRECAST CONCRETE
PCCP — CONCRETE PAVEMENT
PCD — PAPER CUP DISPENSER
PCF — POUNDS PER CUBIC FOOT
PCP — PORTLAND CEMENT PLASTER
PED — PEDESTAL
PEN — PENETRATE
PEND — PENDANT
PERF — PERFORATED
PERIM — PERIMETER
PERP — PERPENDICULAR
PGBD — PEGBOARD
PHAR — PHARMACY
PHOTO — PHOTOGRAPH
PHS — PHILLIPS HEAD SCREW
PKG — PACKAGE
PL — PROPERTY LINE
PL GL — PLATE GLASS
PL. — PLATE
PLA. — PLASTIC
PLAM — PLASTIC LAMINATE
PLAS — PLASTER OR PLASTIC
PLBG — PLUMBING
PLYWD — PLYWOOD
PMTL — PAINTED METAL
PNEU — PNEUMATIC
PNL — PANEL
PO — POST OFFICE PURCHASE ORDER
PO — PURCHASE ORDER POST OFFICE
POLY — POLYETHYLENE (PLASTIC)
PR — PAIR
PRCST — PRECAST
PREFAB — PREFABRICATE
PREFIN — PREFINISH
PRELIM — PRELIMINARY
PREP — PREPARATION
PRESS — PRESSURE
PREV — PREVIOUS
PRKG — PARKING
PRMLD — PREMOLDED
PROJ — PROJECT
PROP — PROPERTY
PSF — POUNDS PER SQUARE FOOT
PSI — POUNDS PER SQUARE INCH
PT — PAINT, PNEUMATIC TUBE, OR PRESSURE TREATED
PT. — PAINT
PTD — PAPER TOWEL DISPENSER
PTDF. — PRESSURE TREATED DOUG FIR
PTN — PARTITION
PVC — POLYVINYL CHLORIDE (PLASTIC)
PVG — PAVING
PWR — POWER
QA — QUALITY ASSURANCE
QC — QUALITY CONTROL
QRY — QUARRY
QT — QUARRY TILE
QTB — QUARRY TILE BASE
QTF — QUARRY TILE FLOOR
QTR — QUARTER
QTY — QUANTITY
QUAD — QUADRANT
QUAL — QUALITY
R — RADIUS OR RISER
R. — RISER
R.D. — ROOF DRAIN
R.W.L. — RAIN WATER LEADER
RA — RETURN AIR
RAD — RADIATOR
RAD., R — RADIUS
RB — RESILIENT BASE OR RUBBER BASE
RB HK — ROBE HOOK
RBM — REINFORCED BRICK MASONRY
RBR — RUBBER
RCP — REFLECTED CEILING PLAN
RCVR — RECEIVER
RD — ROAD OR ROOF DRAIN
REC — RECESSED
RECD — RECEIVED
RECPT — RECEPTACLE
RECT — RECTANGLE
REF — REFERENCE OR REFRIGERATOR
REFR — REFRACTORY OR REFRIGERATION
REG — REGISTER
REINF — REINFORCE
REP — REPAIR
REPL — REPLACE
REQ — REQUIRE
REQD. — REQUIRED
RESIL — RESILIENT
RET — RETURN
REV — REVISION
RF — RADIO FREQUENCY
RFG — ROOFING
RFI — REQUEST FOR INFORMATION
RFP — REQUEST FOR PROPOSAL
RH — RIGHT HAND
RHMS — ROUND HEAD MACHINE SCREW
RHR — RIGHT HAND REVERSE
RHWS — ROUND HEAD WOOD SCREW
RL — ROOF LEADER
RLG — RAILING
RM — ROOM
RND — ROUND
RO — ROUGH OPENING
ROW — RIGHT OF WAY
RPM — REVOLUTIONS PER MINUTE
RS — ROUGH SAWN
RT — RIGHT
RV — ROOF VENT
RVS — REVERSE
RWD — REDWOOD
RWL — RAIN WATER LEADER
S — SOUTH
S.A.F. — SELF-ADHERED FLASHING
S.C. — SOLID CORE
S.C.D. — SEAT COVER DISPENSER
S.D. — SOAP DISPENSER
S.M.S. — SHEET METAL SCREW
S.N.D. — SANITARY NAPKIN DISP.
S.N.R. — SANITARY NAPKIN RECEPTACLE
S.S.D. — SEE STRUCTURAL DRAWINGS
S.SK. — SERVICE SINK
SA — SUPPLY AIR
SALV — SALVAGE
SAMP — SAMPLE
SAN — SANITARY
SAT — SUSPENDED ACOUSTICAL TILE
SATC — SUSPENDED ACOUSTICAL TILE CEILING
SB — SPLASH BLOCK
SBS — STYRENE BUTADIEN STYRENE
SBSTR — SUBSTRATE
SC — SHADING COEFFICIENT OR SOLID CORE
SCH — SCHOOL
SCHED — SCHEDULE
SCHEM — SCHEMATIC
SCP — SCUPPER
SCRN — SCREEN
SCT — STRUCTURAL CLAY TILE
SCWD — SOLID CORE WOOD DOOR
SD — SHOP DRAWINGS, SMOKE DETECTOR, OR SOAP DISPENSER;
SDG — SIDING
SECT — SECTION
SEG — SEGMENT
SEL — SELECT
SEP — SEPARATE
SF — SQUARE FOOT (FEET)
SFTWD — SOFTWOOD
SGD — SLIDING GLASS DOOR
SGL — SINGLE
SH. — SHELF
SHR — SHOWER
SHR HD — SHOWER HEAD
SHRD — SHOWER DRAIN
SHT — MTL FLASH SHEET METAL (FLASHING)
SHT — SHEET
SHTHG — SHEATHING
SHV — SHELVING
SIM — SIMILAR
SJ — SCORED JOINT
SJI — STEEL JOIST INSTITUTE
SK — SKETCH
SKLT — SKYLIGHT
SLD — WDW HORIZONTAL SLIDING WINDOW
SLDG — SLIDING
SLNT — SEALANT
SM — SHEET METAL
SMK — SMOKE
SND — INS SOUND INSULATION
SND — SANITARY NAPKIN DISPENSER
SNDU — SANITARY NAPKIN DISPOSAL UNIT
SPEC — SPECIFICATION
SPKLR — SPRINKLER
SPKR — SPEAKER
SPLY — SUPPLY
SQ — SQUARE
SQ IN — SQUARE INCH
SQ YD — SQUARE YARD
SS — SANITARY SEWER OR SERVICE SINK
SST — STAINLESS STEEL
ST — STAIRS OR STREET
STA. — STATION
STC — SOUND TRANSMISSION CLASS
STD — STANDARD
STIF — STIFFENER
STL JST — STEEL JOIST
STL LNTL — STEEL LINTEL
STL PL — STEEL PLATE
STL RF DK — STEEL ROOF DECK
STL TB — STEEL TUBE
STL TR — STEEL TRUSS
STL. — STEEL
STNLS — STAINLESS
STOR — STORAGE
STR — STRINGERS
STRUCT — STRUCTURAL
STRUCT STL — STRUCTURAL STEEL
SUB — SUBSTITUTE
SA — SUPPLY AIR
SURF — SURFACE
SUSP — SUSPEND(ED)
SUSP CLG — SUSPENDED CEILING
SV — SHEET VINYL
SW — SWITCH
SWDR — SWING DOOR
SYM — SYMBOL
SYM. — SYMMETRICAL
SYNTH — SYNTHETIC
SYS — SYSTEM
T — TREAD
T&B — TOP AND BOTTOM
T&G — TONGUE AND GROOVE
T&M — TIME AND MATERIALS
T.B. — TOWEL BAR
T.O.C./T.C. — TOP OF CURB
T.O.P./T.P. — TOP OF PAVEMENT
T.S. — TUBE STEEL
TB — THROUGH BOLT OR TOWEL BAR
TCA — TILE COUNCIL OF AMERICA
TCP — TELEPHONE CONTROL PANEL TEMPERATURE CONTROL PANEL; TRAFFIC CONTROL PLAN
TD — TOWEL DISPENSER
TECH — TECHNICAL
TEL — TELEPHONE
TEMP — TEMPERATURE OR TEMPORARY
TER — TERRAZZO
THD — THREAD
THERM — THERMAL
THK — THICKNESS
THK. — THICK
THRES — THRESHOLD
THRU — THROUGH
THRUOUT — THROUGHOUT
TK BD — TACKBOARD
TMPD — TEMPERED
TMPD GL — TEMPERED GLASS
TN — TRUE NORTH
TO — TOP OF ___
TO FDN — TOP OF FOUNDATION
TOB — TOP OF BEAM
TOM — TOP OF MASONRY
TOP — TOP OF PARAPET
TOS — TOP OF STEEL
TOW — TOP OF WALL
TPD — TOILET PAPER DISPENSER
TPH — TOILET PAPER HOLDER
TR — TOWEL RACK
TRANS — TRANSOM
TRANS WD FIN — TRANSPARENT WOOD FINISH
TRTD — TREATED
TS — TENSILE STRENGTH OR TUBE STEEL
TSTAT — THERMOSTAT
TV — TELEVISION
TYP — TYPICAL
U — HEAT TRANSFER COEFFICIENT
UC — UNDERCUT
UCD — UNDERCUT DOOR
UGND — UNDERGROUND
UL — UNDERWRITERS LABORATORIES
ULT — ULTIMATE
UNF. — UNFINISHED
UNFIN — UNFINISH
UON — UNLESS OTHERWISE NOTED
UPS — UNINTERRUPTIBLE POWER SUPPLY
UR — URINAL
UTIL — UTILITY
UV — ULTRAVIOLET
V — VOLT
V.G. — VERTICAL GRAIN
VAC — VACUUM
VAR — VARIES
VC — VA FURNISHED AND INSTALLED - MEDICAL CARE
VCT — VINYL COMPOSITION TILE
VITRIFIED CLAY TILE
VEH — VEHICLE
VENT — VENTILATION
VERT — VERTICAL
VEST — VESTIBULE
VFAT — VINYL FACED ACOUSTICAL TILE
VIC — VICINITY
VID — VIDEO
VIF — VERIFY IN FIELD
VNR — VENEER
VOC — VOLATILE ORGANIC COMPOUND
VOL — VOLUME
VOLT — VOLTAGE
VP — VENEER PLASTER
VR — VAPOR RETARDER
VT. — VINYL TILE
VTR — VENT THROUGH ROOF
VV — VA FURNISHED AND INSTALLED-VHA APPROPRIATION.
VWC — VINYL WALL COVERING
VWF — VINYL WALL FABRIC
W — WEST
W — WIDE OR WEST
W.C. — WATER CLOSET
W.O. — WHERE OCCURS
W.P. — WORK POINT
W.W.M. — WELDED WIRE MESH
W/ — WITH
W/IN — WITHIN
W/O — WITHOUT
WARR — WARRANTY
WBL — WOOD BLOCKING
WC — WALL COVERING OR WATER CLOSET
WC — WL HNG WATER CLOSET, WALL HUNG
WCHR — WATER CHILLER
WCL WL MTD — WATER COOLER, WALL HUNG
WD — WOOD
WDW — WINDOW
WF — WIDE FLANGE
WFAB — WALL FABRIC
WFR — WOOD FRAME
WFS — WOOD FURRING STRIPS
WH — WATER HEATER
WHSE — WAREHOUSE
WLD — WELDED
WM — WIRE MESH
WP — WATERPROOFING
WPD — WATER PRESSURE DROP
WPM — WATERPROOF MEMBRANE
WR — WEATHER RESISTANT
WRB — WEATHER-RESISTIVE BARRIER
WS — WEATHERSTRIP
WSCT — WAINSCOT
WT — WEIGHT
WTH. — WIDTH
WWF — WELDED WIRE FABRIC
X — BRACE CROSS BRACE
XPS — EXTRUDED POLYSTYRENE BOARD (INSULATION)
YD — YARD
YR — YEAR
& — AND
@ — AT
℄ OR CL — CENTER LINE
Φ — DIAMETER
(E) — EXISTING
(N) — NEW
|| — PARALLEL
⊥ — PERPENDICULAR
₽ — PLATE
± — PLUS OR MINUS
— POUND OR NUMBER

Revisions: | Date

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FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Drawing Title: **ABBREVIATIONS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: VANCHCS, MARTINEZ CAMPUS, 150 MUIR RD., MARTINEZ, CA 94553

Date: 03.10.2014 | Checked: K.T. | Drawn: MU, NM, LH

Project Number: 612-12-281FCA

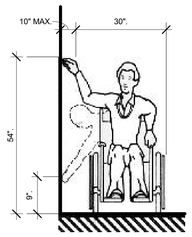
Building Number: 19

Drawing Number: A0.01

Dwg. 4 of 75

Office of Construction and Facilities Management

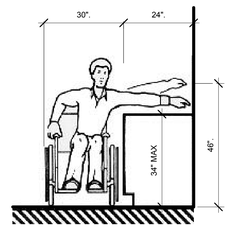
Department of Veterans Affairs



NOTE:

THE 30" BY 48" WHEELCHAIR CLEAR FLOOR SPACE IS LOCATED A MAX 10" FROM THE WALL

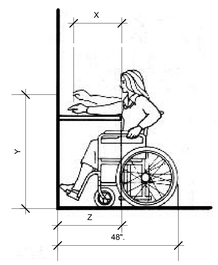
15 HIGH AND LOW - SIDE REACH LIMITS.

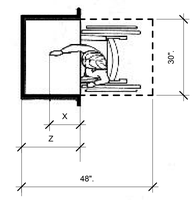


NOTE:

IF THE DEPTH OF THE OBSTRUCTION IS 24" AND THE MAXIMUM HEIGHT OF THE OBSTRUCTION IS 34", THE MAXIMUM HIGH SIDE REACH OVER THE OBSTRUCTION IS 46"

16 MAXIMUM SIDE REACH OVER OBSTRUCTION.



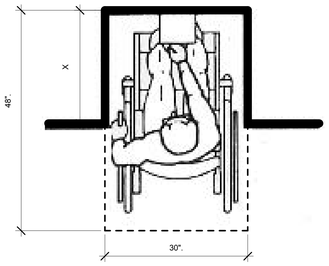


NOTE:

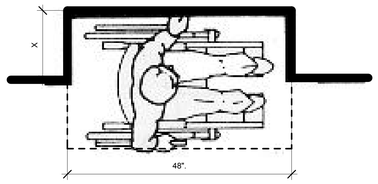
X SHALL BE < 25"; Z SHALL BE >X, WHEN X <20", THEN Y SHALL BE 48" MAXIMUM. WHEN X IS 20 TO 25", THEN Y SHALL BE 44" MAXIMUM.

THE MAXIMUM LEVEL FORWARD REACH OVER AN OBSTRUCTION WITH KNEE SPACE BELOW IS 25". WHEN THE OBSTRUCTION IS LESS THAN 20" DEEP, THE MAXIMUM HIGH FORWARD REACH IS 48". WHEN THE OBSTRUCTION PROJECTS 20 TO 25", THE MAXIMUM HIGH FORWARD REACH IS 44"

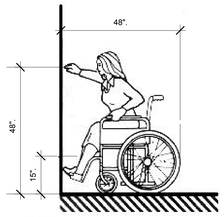
17 MAXIMUM FORWARD REACH OVER OBSTRUCTION.

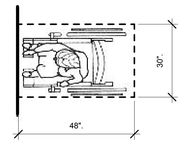


NOTE: X<24"



NOTE: X<15"





NOTE:

FORWARD REACH RANGE SHOWN IN PROFILE AND PLAN VIEW TO BE 48 INCHES MAXIMUM AND 15 INCHES MINIMUM.

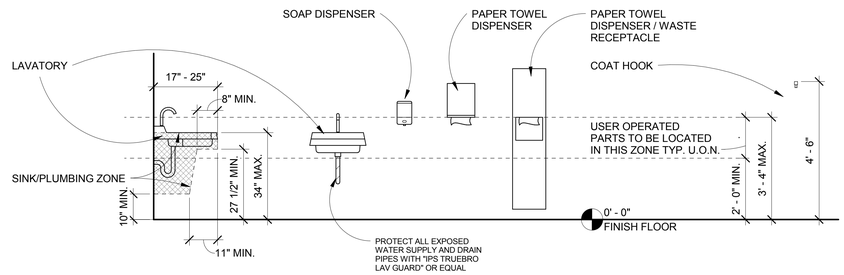
27 HEIGHT FORWARD REACH LIMIT.

NOTE:

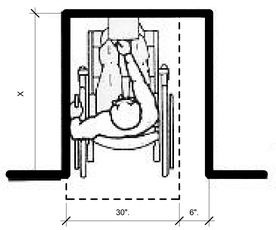
FOR A FRONT APPROACH, WHERE THE DEPTH OF THE ALCOVE IS EQUAL TO OR LESS THAN 24", THE REQUIRED CLEAR FLOOR SPACE IS 30" BY 48".

FOR A SIDE APPROACH, WHERE THE DEPTH OF THE ALCOVE IS EQUAL TO OR LESS THAN 15", THE REQUIRED CLEAR FLOOR SPACE IS 30" BY 48".

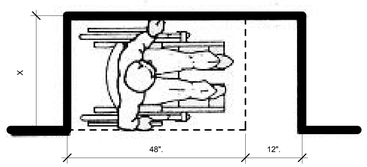
24 CLEAR ALCOVE APROACH.



50 FIXTURE / ACCESSORY MOUNTING HEIGHTS



NOTE: IF X>24" , THEN AN ADDITIONAL MANEUVERING CLEARANCE OF 6" SHALL BE PROVIDED AS SHOWN.



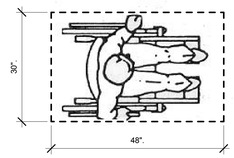
NOTE: IF X>15", THEN AN ADDITIONAL MANEUVERING CLEARANCE OF 13" PROVIDED AS SHOWN.

NOTE:

FOR A FRONT APPROACH, IF THE DEPTH OF THE ALCOVE IS GREATER THAN 24", THEN IN ADDITION TO THE 30" WIDTH, A MANEUVERING CLEARANCE OF 6" IN WIDTH IS REQUIRED.

FOR A SIDE APPROACH, WHERE THE DEPTH OF THE ALCOVE IS GREATER THAN 15 " THEN IN ADDITION TO THE 48 " LENGTH, AN ADDITIONAL MANEUVERING CLEARANCE OF 12" LENGTH IS REQUIRED.

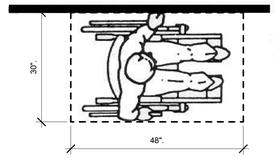
54 ADDITIONAL MANEUVERING CLEARANCE FOR ALCOVES.



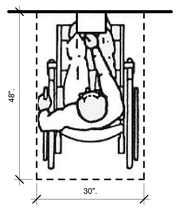
NOTE:

CLEAR FLOOR SPACE SHOWN TO BE 30 BY 48 INCHES MINIMUM.

47 CLEAR FLOOR SPACE.



48 PARALLEL APROACH.



57 FORWARD APROACH.

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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251 Post Street, Suite 620
San Francisco, CA 94108-5017
Tel 415 989 6400, Fax 415 989 3056
www.HilliardArchitects.com

Drawing Title: **ACCESSIBILITY REQUIREMENTS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **Author**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A0.02**

Dwg. **6** of **75**

Office of Construction and Facilities Management

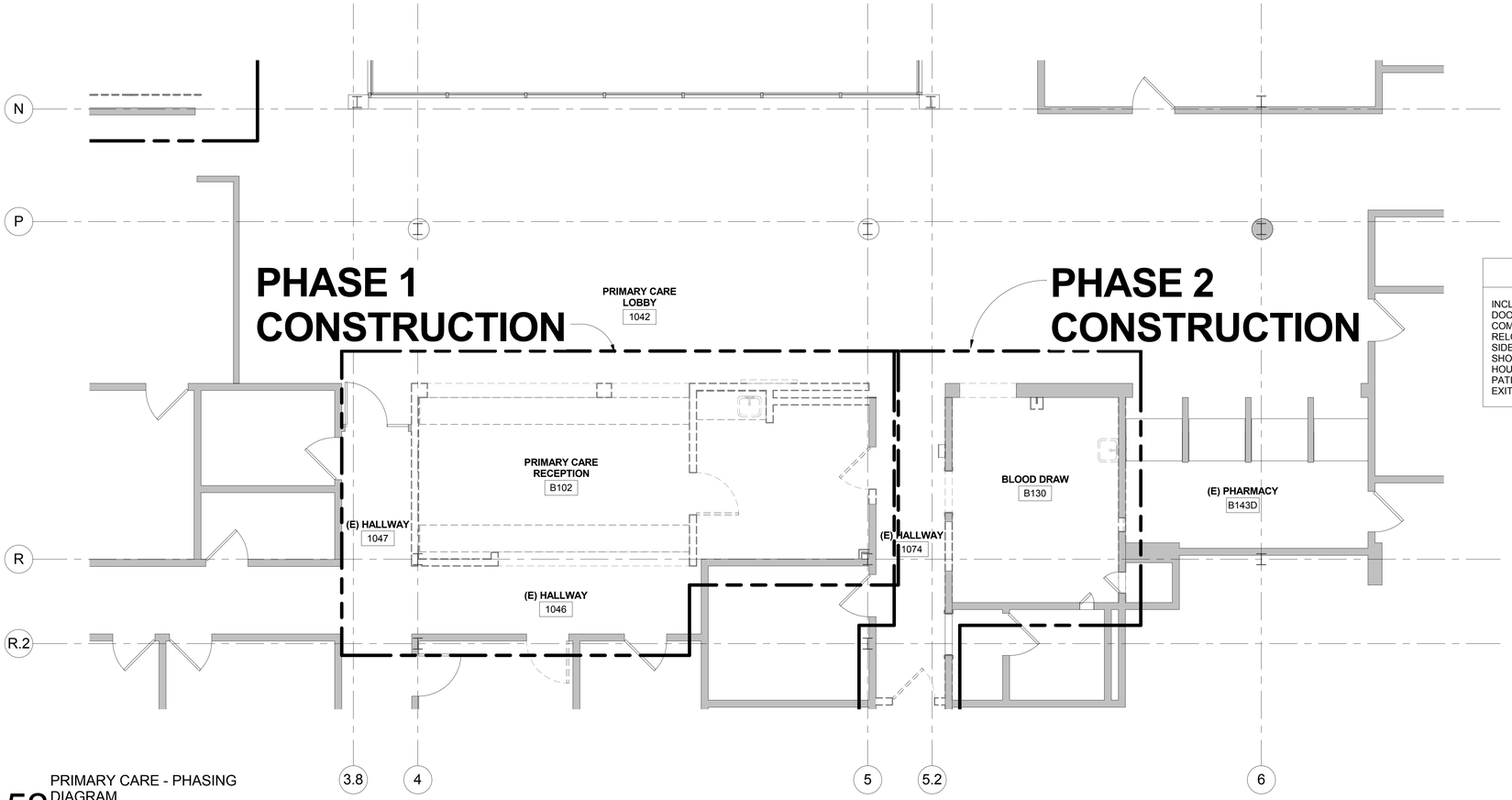
Department of Veterans Affairs

VA FORM 08-6231

PHASE 1 CONSTRUCTION

INCLUDES REMOVING CASEWORK, WORKSTATIONS, AND SOFFIT IN RECEPTION AREA. DEMOLISH STAFF LOUNGE WALLS, DOORS AND CASEWORK. INSTALL NEW WORKSTATIONS, PARTITIONS AND DOORS, AND CEILING. INSTALL NEW LIGHTING AND COMPLETE ALL NEW CONSTRUCTION.

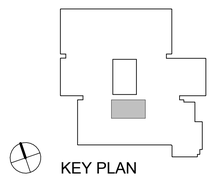
THE DOOR BETWEEN PRIMARY CARE WAITING AND HALLWAY 1047 MUST REMAIN ACCESSIBLE DURING BUSINESS HOURS TO MAINTAIN PATIENT AND STAFF CIRCULATION AND BUILDING EXITING REQUIREMENTS.



PHASE 2 CONSTRUCTION

INCLUDES DEMOLITION OF CASEWORK, ENTRY DOOR AND PORTION OF WALL, AND SINK. COMPLETE FULL CONSTRUCTION INCLUDING RELOCATION OF EXISTING HALLWAY DOOR AND SIDELIGHT. THE RELOCATION OF THIS DOOR SHOULD BE SCHEDULED DURING OFF BUSINESS HOURS SO IT WON'T INTERFERE WITH PATIENT/STAFF CIRCULATION AND BUILDING EXITING REQUIREMENTS.

52 PRIMARY CARE - PHASING DIAGRAM



KEY PLAN

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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www.HilliardArchitects.com

Drawing Title: **PRIMARY CARE PHASING DIAGRAM**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **KT**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A30.1**

Dwg. **46** of **75**

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Department of Veterans Affairs

VA FORM 08-6231

10 (E) PRIMARY CARE RECEPTION

SALVAGE DOORS TO RELOCATE. SEE FLOOR PLAN

REMOVE PANEL

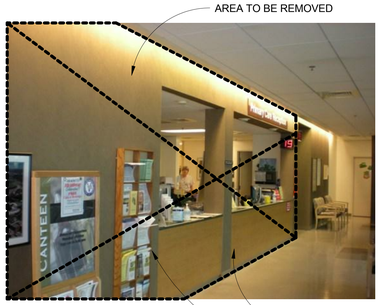
12 (E) BLOOD DRAW RECEPTION

REMOVE ALL CASEWORK

15 (E) BLOOD DRAW

REMOVE ALL CASEWORK

17 (E) BLOOD DRAW



AREA TO BE REMOVED

AREA OF WALLS TO BE REMODELED

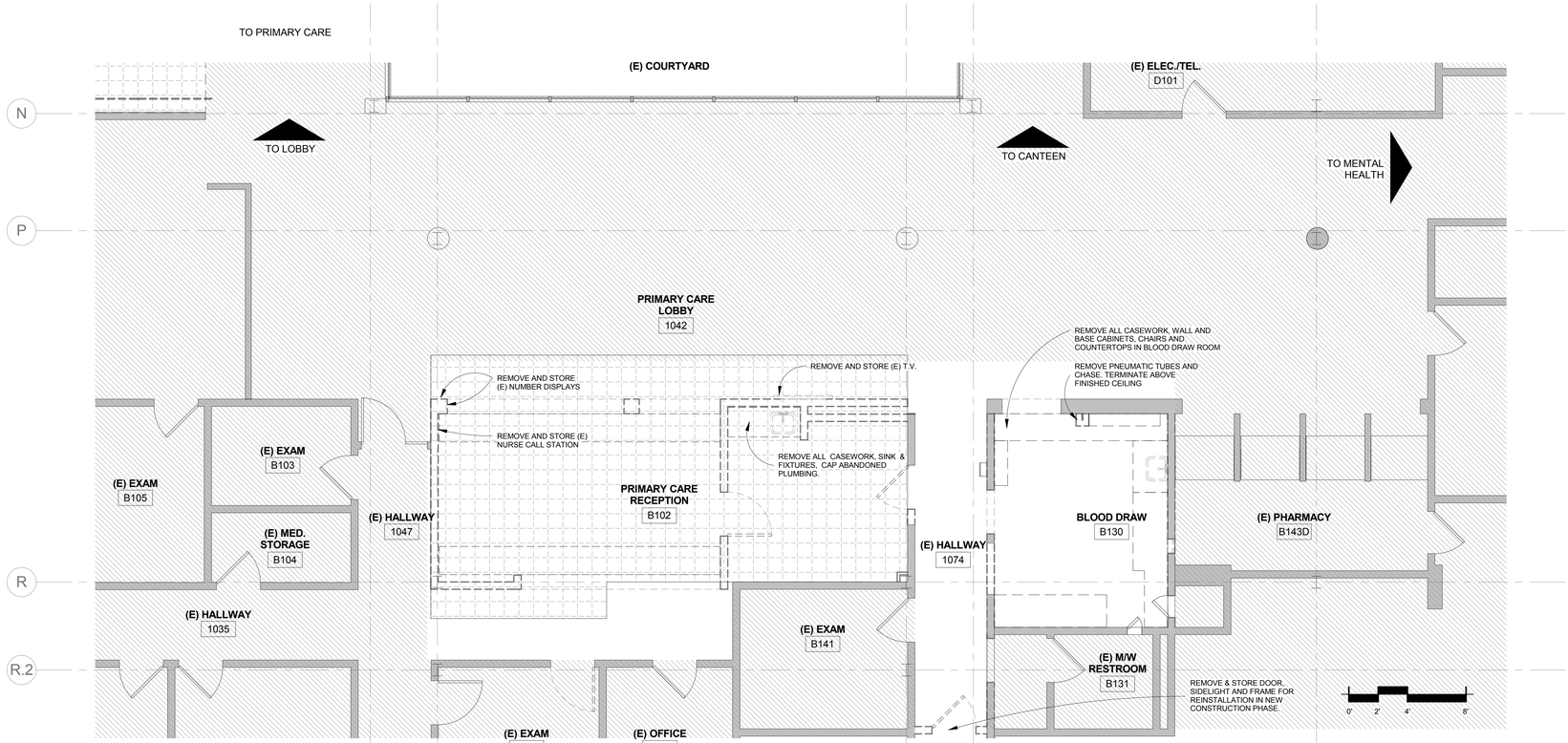
SALVAGE BROCHURE HOLDERS

30 (E) PRIMARY CARE RECEPTION

SALVAGE BROCHURE HOLDERS

DEMO (E) CASEWORK AND WALL

50 (E) PRIMARY CARE



52 PRIMARY CARE - DEMOLITION PLAN

LEGEND

AREA OF NO WORK

(E) FLOOR TO BE REMOVED

KEY PLAN

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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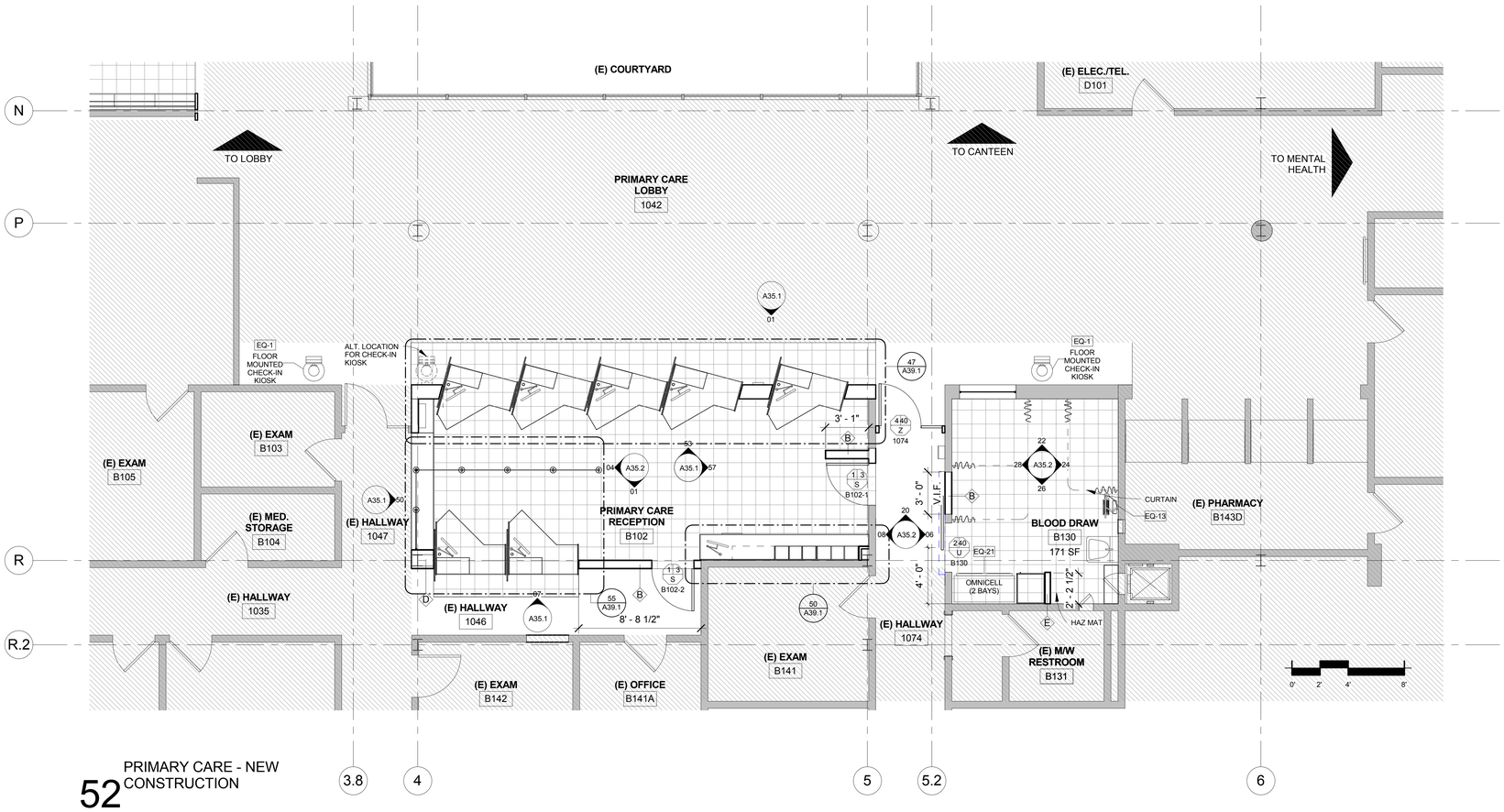
www.HilliardArchitects.com

Drawing Title: **PRIMARY CARE DEMOLITION PLAN**	Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**	Project Number: **612-12-281FCA**	Office of Construction and Facilities Management
Approved: Project Director	Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**	Building Number: **19**	
	Date: **03.10.2014** / Checked: **K.T.** / Drawn: **MU, NM, LH**	Drawing Number: **AD32.1** Dwg. **48** of **75**	Department of Veterans Affairs

VA FORM 08-6231



52 PRIMARY CARE - NEW CONSTRUCTION

LEGEND

AREA OF NO WORK

(E) FLOOR TO BE REMOVED

KEY PLAN

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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www.HilliardArchitects.com

Drawing Title: **PRIMARY CARE FLOOR PLAN**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: VANCHCS, MARTINEZ CAMPUS, 150 MUIR RD., MARTINEZ, CA 94553

Date: 03.10.2014 | Checked: K.T. | Drawn: MU, NM, LH

Project Number: 612-12-281FCA

Building Number: 19

Drawing Number: A32.1

Dwg. 50 of 75

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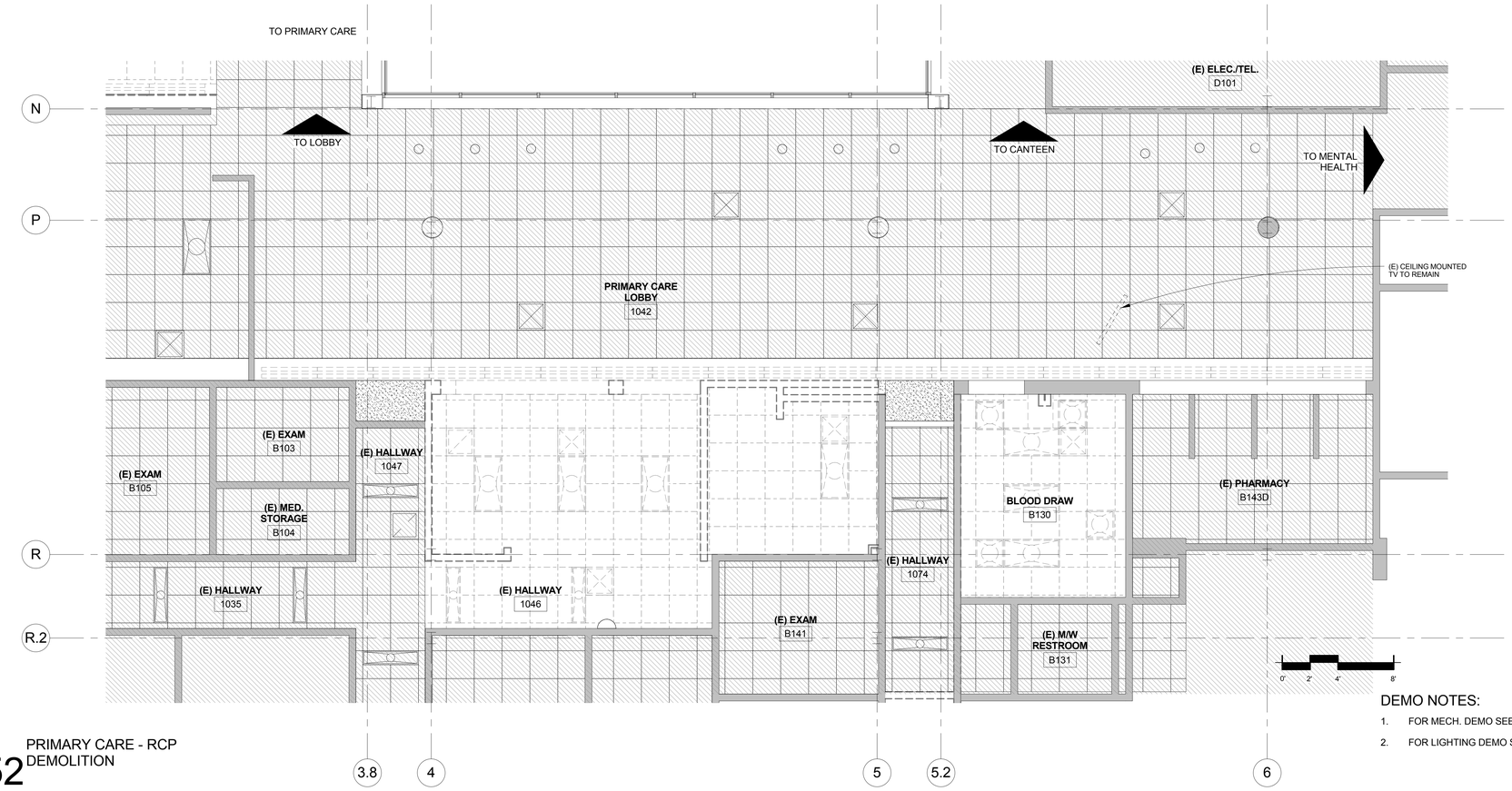


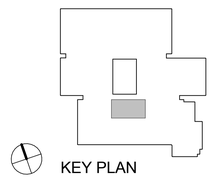
52 PRIMARY CARE - RCP DEMOLITION

DEMO NOTES:

1. FOR MECH. DEMO SEE MD32.1
2. FOR LIGHTING DEMO SEE ED36.1

LEGEND

- (E) CEILING TO REMAIN
- (E) CEILING TO BE DEMOLISHED
- AREA OF NO WORK: (E) CEILING TO REMAIN
- (E) GYP. BD. CEILING SOFFIT
- LAY-IN LIGHT FIXTURE
- TROFFER LIGHT FIXTURE
- DOWNLIGHT FIXTURE
- CEILING DIFFUSER
- CEILING RETURN



KEY PLAN

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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Drawing Title: **PRIMARY CARE DEMOLITION REFLECTED CEILING PLAN**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

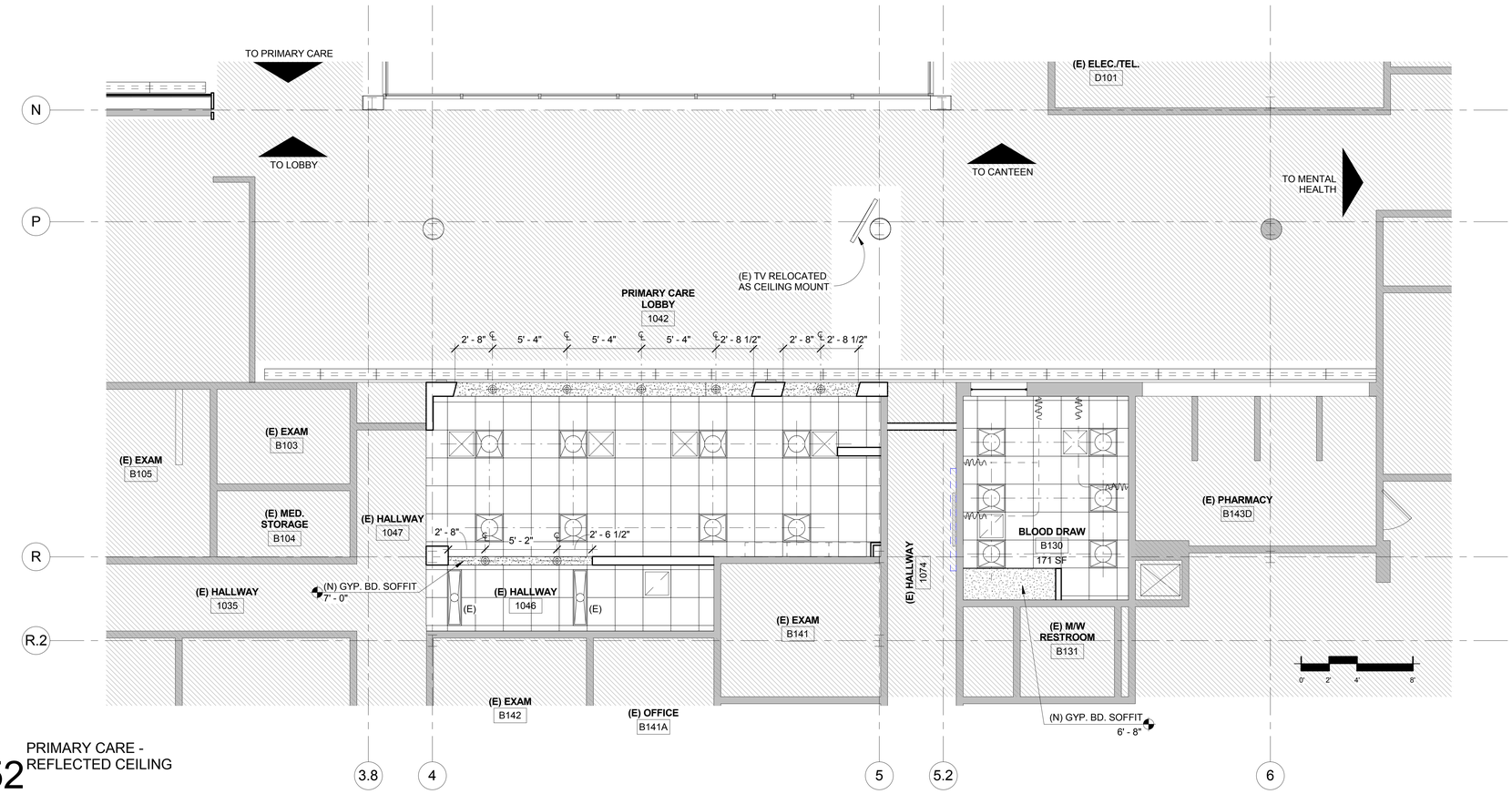
Drawing Number: **AD36.1**

Dwg. **52** of **75**

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



52 PRIMARY CARE - REFLECTED CEILING

LEGEND

- AREA OF NO WORK: (E) CEILING TO REMAIN (SEE DEMO RCP)
- (N) GYP. BD. CEILING @ 8'-0" A.F.F. U.O.N.
- (E) GYP. BD. CEILING @ 8'-0" A.F.F. U.O.N.
- LIGHTING FIXTURES, SEE LIGHT PLAN AND FIXTURE SCHEDULE
- CEILING DIFFUSER
- CEILING RETURN
- (E) EXISTING FIXTURE TO REMAIN

KEY PLAN

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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Tel 415 989 6400, Fax 415 989 3056
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Drawing Title: **PRIMARY CARE REFLECTED CEILING PLAN**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A36.1**

Dwg. **54** of **75**

Office of Construction and Facilities Management

Department of Veterans Affairs

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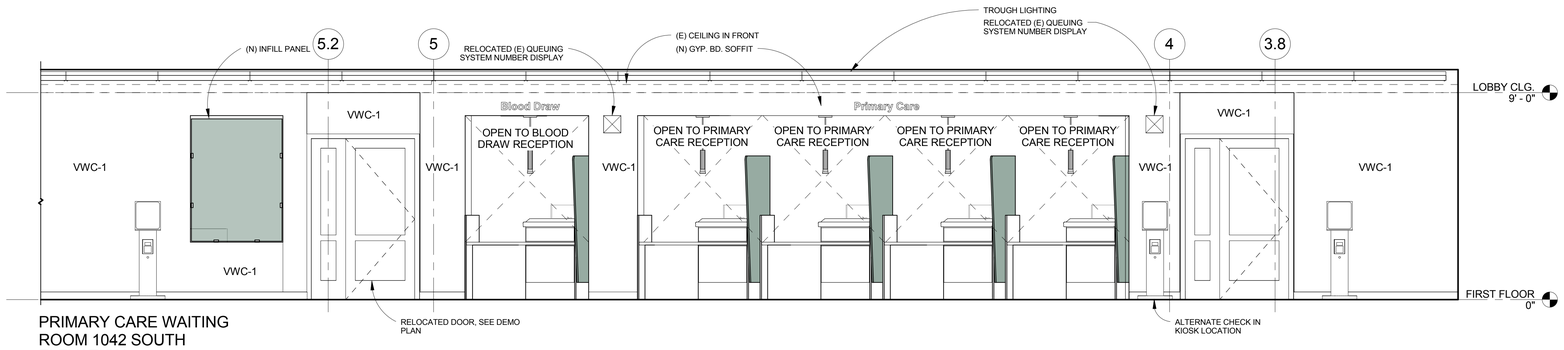
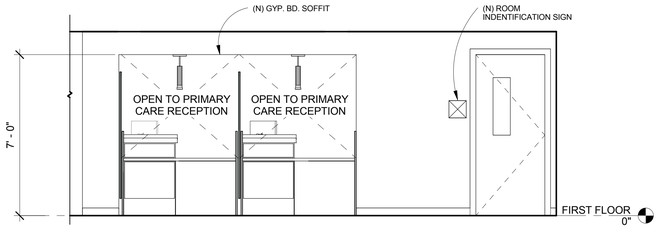


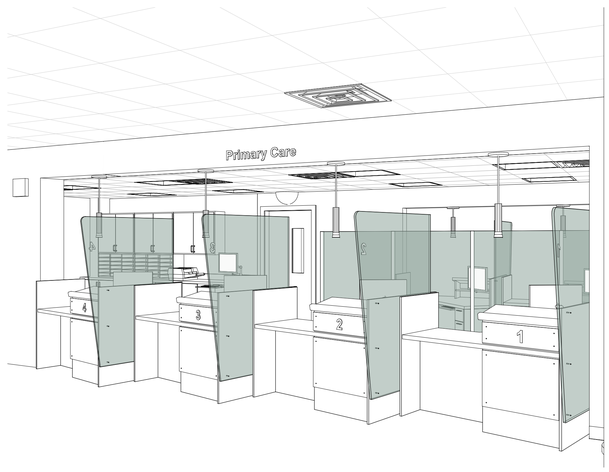
PRIMARY CARE WAITING ROOM 1042 SOUTH ELEVATION

01



PRIMARY CARE HALLWAY 1046 NORTH ELEVATION

07



PRIMARY CARE RECEPTION FROM LOBBY

30

PRIMARY CARE RECEPTION FROM LOBBY

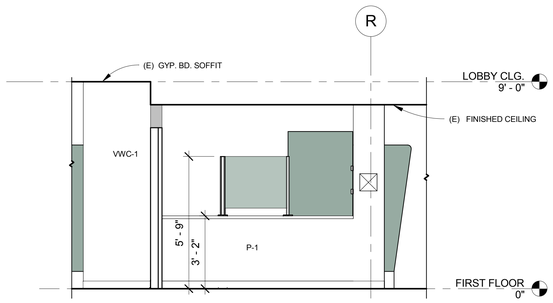
33

PRIMARY CARE RECEPTION HALLWAY

36

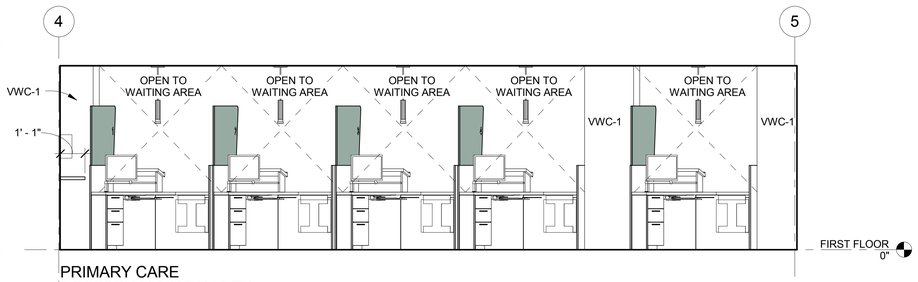
PRIMARY CARE RECEPTION

38



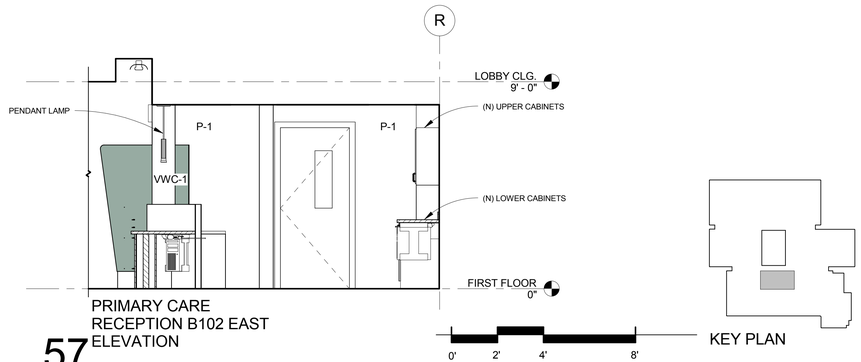
PRIMARY CARE HALLWAY 1047 EAST ELEVATION

50



PRIMARY CARE RECEPTION B102 NORTH ELEVATION

53



PRIMARY CARE RECEPTION B102 EAST ELEVATION

57

KEY PLAN

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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Drawing Title: **PRIMARY CARE INTERIOR ELEVATIONS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

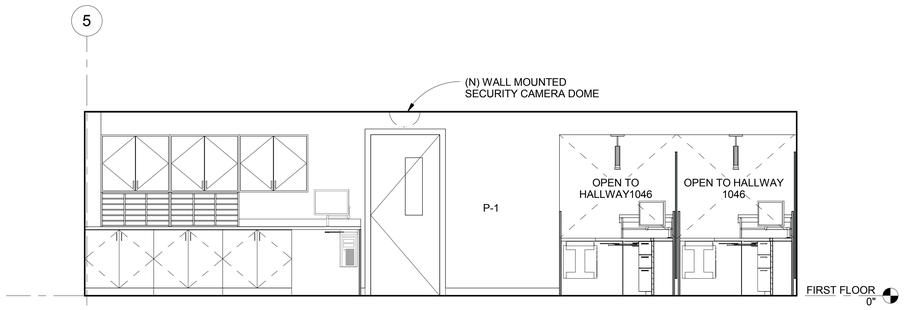
Drawing Number: **A35.1**

Dwg. **56** of **75**

Office of Construction and Facilities Management

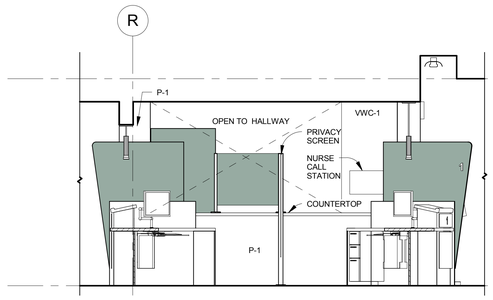
Department of Veterans Affairs

VA FORM 08-6231



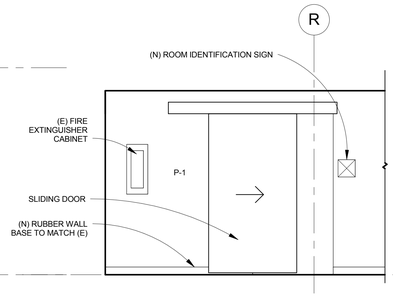
PRIMARY CARE
RECEPTION B102 SOUTH
ELEVATION

01



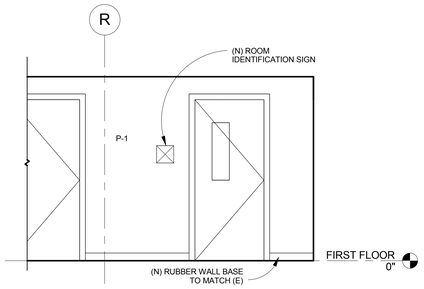
PRIMARY CARE
RECEPTION B102 WEST
ELEVATION

04



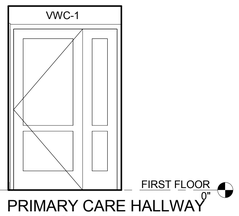
PRIMARY CARE HALLWAY
1074 EAST ELEVATION

06



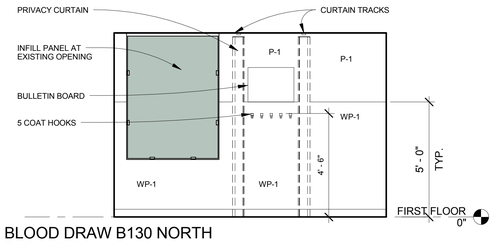
PRIMARY CARE HALLWAY
1074 WEST ELEVATION

08



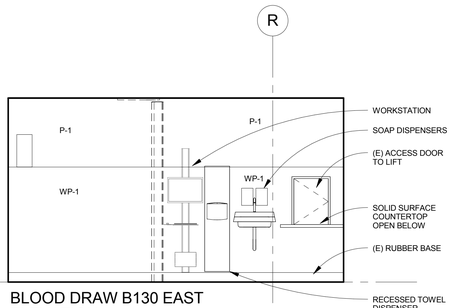
PRIMARY CARE HALLWAY
1074 NORTH ELEVATION

20



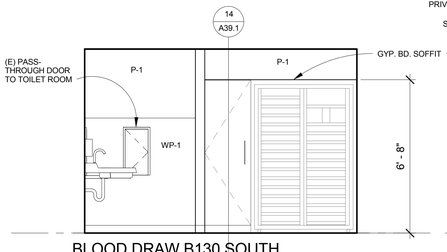
BLOOD DRAW B130 NORTH
ELEVATION

22



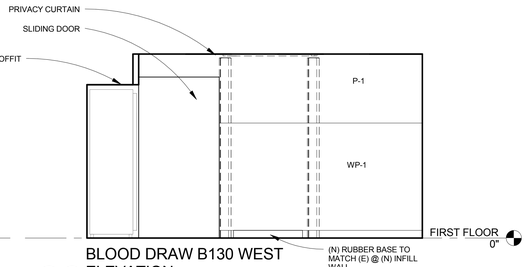
BLOOD DRAW B130 EAST
ELEVATION

24



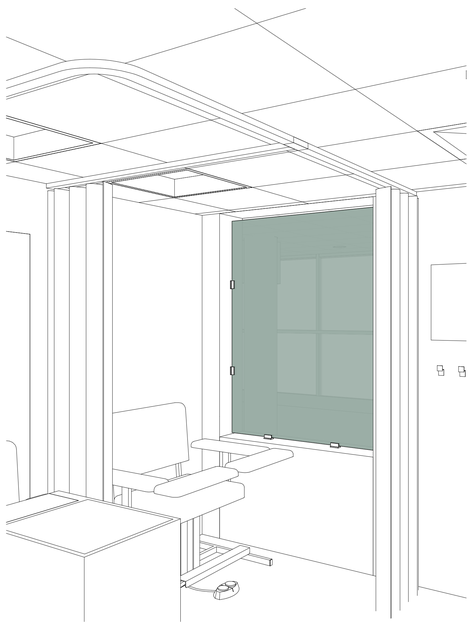
BLOOD DRAW B130 SOUTH
ELEVATION

26



BLOOD DRAW B130 WEST
ELEVATION

28

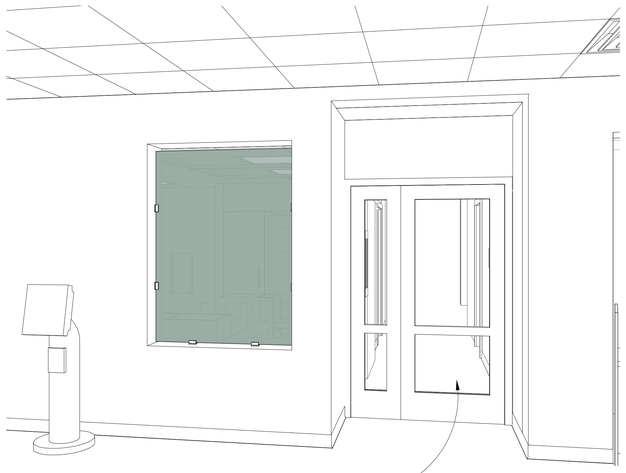


BLOOD DRAW

51

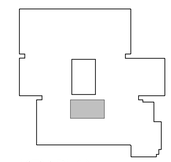
BLOOD DRAW

54



BLOOD DRAW VIEW FROM
WAITING

57



0' 2' 4' 8'

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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San Francisco, CA 94108-5017
Tel 415 989 6400, Fax 415 989 3056
www.HilliardArchitects.com

Drawing Title: **PRIMARY CARE & BLOOD DRAW INTERIOR ELEVATIONS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A35.2**

Dwg. **58** of **75**

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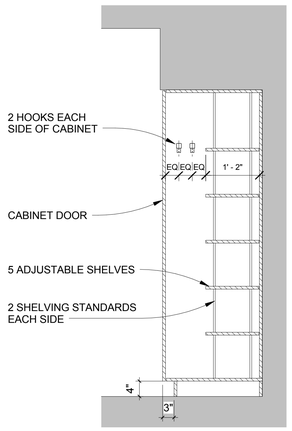
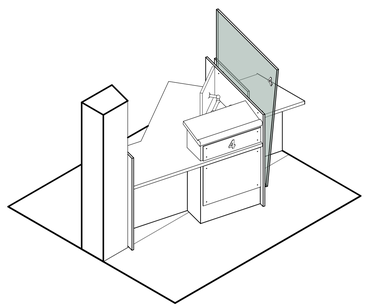
Department of Veterans Affairs

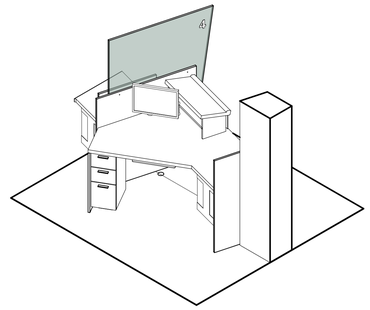
VA FORM 08-6231



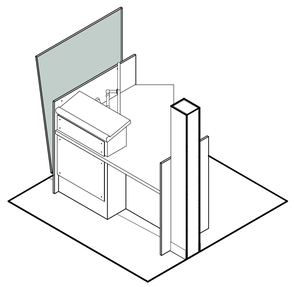
14 BLOOD DRAW CASEWORK SECTION



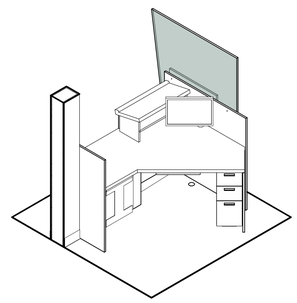
05 PC TYPICAL RECEPTION STATION AXO 2



07 PC TYPICAL RECEPTION STATION AXO 1



25 PC TYPICAL EXIT STATION AXO 2



27 PC TYPICAL EXIT STATION AXO 1

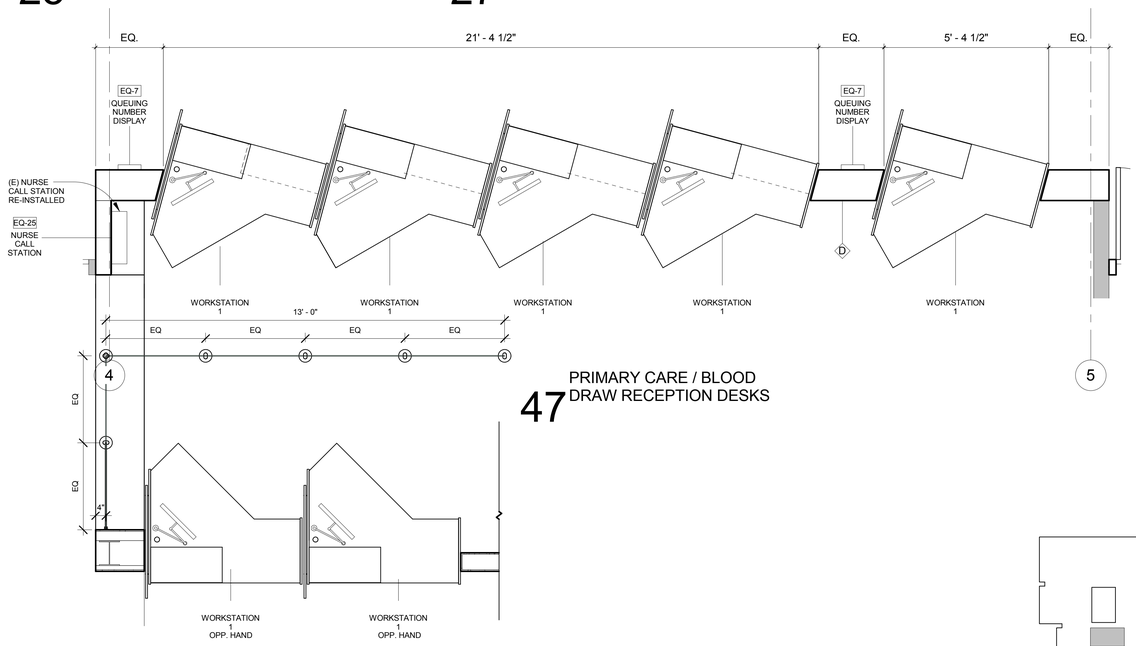
CASEWORK NOTES (TYP.)

1. FOR WORKSTATION 1, SEE SHEET A9.91
2. COUNTERTOP: SOLID POLYMER MATERIAL
3. CABINET BOXES: SOLID PHENOLIC PANELS, FOR THICKNESS SEE DETAILS
4. ACCENT PANELS: SOLID PHENOLIC PANELS, 1/4" THICK
5. PRIVACY SCREEN: TRANSLUCENT RESIN PANELS, 1/2" THICK U.O.N.
6. SCREEN STANDOFF: 5/8"Ø ALUM. SLEEVE STANDOFF W/ S.ST. SCREWS
7. SCREEN POLES AND BRACKETS: ALUM. "VERSA" HARDWARE FROM 3FORM

CASEWORK NOTES AT PRIMARY CARE

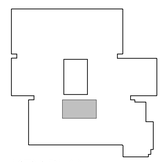
1. .

50 PRIMARY CARE RECEPTION BACK COUNTER



55 PRIMARY CARE EXIT STATIONS

PRIMARY CARE / BLOOD DRAW RECEPTION DESKS 47



KEY PLAN

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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Tel 415 989 6400, Fax 415 989 3056
www.HilliardArchitects.com

Drawing Title: **PRIMARY CARE CASEWORK DETAILS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A39.1**

Dwg. **60** of **75**

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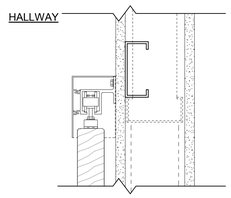
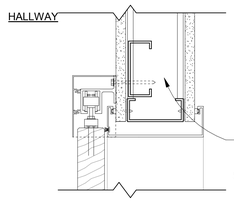
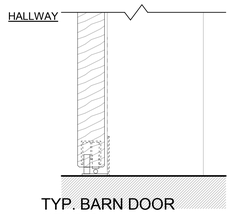


TYP. BARN DOOR @ WALL SECTION

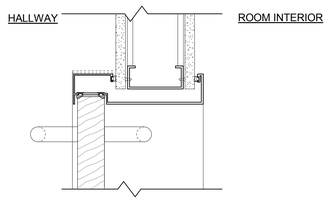
13

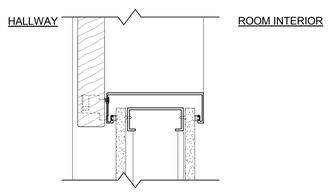




TYP. BARN DOOR HEAD/SILL

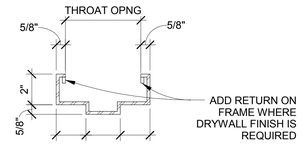
33





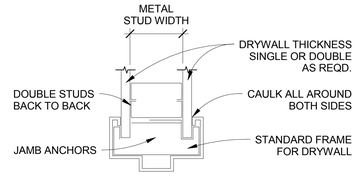
TYP. BARN DOOR JAMB

53



STANDARD DOOR FRAME

16



FRAMES IN METAL STUD PARTITIONS

26

FRAME TYPE	JAMB DETAIL	COMMENTS
1	26 / A9.11	TYPICAL
2	53 / A9.11	SLIDING DOOR
3	16 / A19.5	BALLISTIC ASSEMBLY
4	-	EXISTING

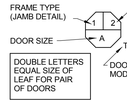
FRAME SCHEDULE

46

DOOR SIZES								
MK	WIDTH		HEIGHT		MK	WIDTH		HEIGHT	
	IN	[mm]	IN	[mm]		IN	[mm]	IN	[mm]
A	1'-6"	[457]	6'-8"	[2032]	N	2'-0"	[610]	7'-0"	[2134]
B	2'-0"	[610]	6'-8"	[2032]	O	2'-2"	[660]	7'-0"	[2134]
C	2'-2"	[660]	6'-8"	[2032]	P	2'-4"	[711]	7'-0"	[2134]
D	2'-4"	[711]	6'-8"	[2032]	Q	2'-6"	[762]	7'-0"	[2134]
E	2'-6"	[762]	6'-8"	[2032]	R	2'-8"	[813]	7'-0"	[2134]
F	2'-8"	[813]	6'-8"	[2032]	S	3'-0"	[914]	7'-0"	[2134]
G	2'-10"	[864]	6'-8"	[2032]	T	3'-4"	[1016]	7'-0"	[2134]
H	3'-0"	[914]	6'-8"	[2032]	U	3'-6"	[1067]	7'-0"	[2134]
I	3'-2"	[965]	6'-8"	[2032]	V	3'-8"	[1118]	7'-0"	[2134]
J	3'-4"	[1016]	6'-8"	[2032]	W	3'-10"	[1168]	7'-0"	[2134]
K	3'-8"	[1118]	6'-8"	[2032]	X	4'-0"	[1219]	7'-0"	[2134]
L	3'-10"	[1168]	6'-8"	[2032]	Y	3'-0"	[914]	8'-0"	[2438]
M	1'-6"	[457]	7'-8"	[2337]	Z	4'-6"	[1372]	7'-0"	[2134]

DOOR MODIFICATIONS
- A LAMINATED GLASS
- D DOUBLE GLAZED TEMPERED GLASS
- H ELECTRIC HOLD
- L LOUVER
- LP LIGHT PROOF LOUVER
- M MECH. SEAL FOR LIGHT PROOF & SOUND RETARDING DOOR
- T TEMPERED GLASS
- U UNDERCUT 1" [25mm]
- V LEAD GLASS
- F FIRE RATED GLAZING

DOOR SYMBOL

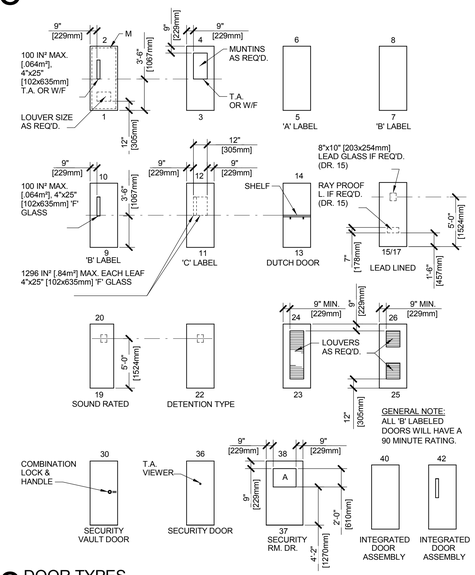


LEGEND (SEE ELEVATIONS)
- GLASS OR LOUVER REQUIRED BY MODIFICATION
- GLASS OR LOUVER REQUIRED BY ELEVATION TYPE

NOTES:
1. ALL DOORS SHALL BE FLUSH - 1 3/4" [44mm] THICK UNLESS NOTED OTHERWISE.
2. TOP & SIDE RAILS SHALL BE 9" [229mm] MIN. BOTTOM RAILS SHALL BE 12" MIN. [305mm].
3. DOOR TYPES 7, 8, & 9 SHALL NOT BE USED FOR OPPOSING DOORS.
4. FOR SCHEDULING DOOR TYPES, SEE PG-18-14.
5. EVEN NUMBERS ARE METAL; ODD NUMBERS ARE WOOD.
6. FIRE RATING (B = 90MIN., C = 45MIN., N = NON-RATED

DOOR LEGEND

18



DOOR TYPES

48

DOOR SCHEDULE										
ID	DESCRIPTION	FIRE RATING	DOOR TYPE	DOOR SIZE	WIDTH	HEIGHT	THICK NESS	FRAME TYPE	FRAME MAT'L.	HARDWARE GROUP	COMMENTS
1006	SINGLE FLUSH INTERIOR DOOR	-	1	X	4' - 0"	7' - 0"	1 3/4"	4	EXISTING	8	REUSE (E) DOOR; PROVIDE NEW POWER OPERATOR
1007	SINGLE FLUSH INTERIOR DOOR	-	1	S	3' - 0"	7' - 0"	1 3/4"	1	H.M.	7	RELOCATED FROM HALLWAY 1007, LINE I
1074	GLASS DOOR W/ SIDELIGHT	-	40	Z	4' - 6"	7' - 0"	1 3/4"	4	EXISTING	7	RELOCATED FROM HALLWAY 1074, LINE R.8
A109A1	SLIDING EXAM ROOM DOOR	-	40	U	3' - 6"	7' - 0"	1 3/4"	2	H.M.	6	
A109A2	SINGLE VISION INTERIOR DOOR	-	3	S	3' - 0"	7' - 0"	1 3/4"	1	H.M.	5	9" x 30" VISION PANEL
A109B1	SLIDING EXAM ROOM DOOR	-	40	U	3' - 6"	7' - 0"	1 3/4"	2	H.M.	6	
A109B2	SINGLE VISION INTERIOR DOOR	-	3	S	3' - 0"	7' - 0"	1 3/4"	1	H.M.	5	9" x 30" VISION PANEL
A110	SLIDING EXAM ROOM DOOR	-	40	S	3' - 0"	7' - 0"	1 1/2"	2	H.M.	6	
B102-1	SINGLE VISION INTERIOR DOOR	-	3	S	3' - 0"	7' - 0"	1 3/4"	1	H.M.	3	9" x 30" VISION PANEL
B102-2	SINGLE VISION INTERIOR DOOR	-	3	S	3' - 0"	7' - 0"	1 3/4"	1	H.M.	4	9" x 30" VISION PANEL
B130	SLIDING EXAM ROOM DOOR	-	40	U	3' - 6"	7' - 0"	1 3/4"	2	H.M.	6	
C122B	SINGLE FLUSH INTERIOR DOOR	-	1	S	3' - 0"	7' - 0"	1 3/4"	1	H.M.	2	

DOOR SCHEDULE

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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Drawing Title: **DOOR/HARDWARE SCHEDULES AND DETAILS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A9.11**

Dwg. **70** of **75**

Office of Construction and Facilities Management

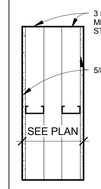
Department of Veterans Affairs

VA FORM 08-6231

D PARTITION TYPE

(N) INTERIOR METAL DOUBLE-STUD PARTITION

ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 3 5/8", 20 GA. DOUBLE STEEL STUDS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT WALL PERIMETER AND INTERMEDIATE STUDS. JOINTS STAGGERED 24" ON OPPOSITE SIDES.

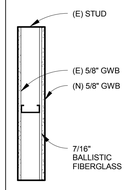


WIDTH VARIES

G PARTITION TYPE

(N) BALLISTICALLY UPGRADED INTERIOR WALL

REMOVE (E) GYP. BD. ON HALLWAY SIDE WHERE WALLS ARE TO BE BALLISTICALLY UPDATED.

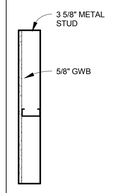


WIDTH VARIES - V.I.F.

K PARTITION TYPE

(N) INTERIOR FURRING

ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO ONE SIDE OF 1 5/8", 20 GA. STEEL STUDS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT WALL PERIMETER AND INTERMEDIATE STUDS. JOINTS STAGGERED 24".



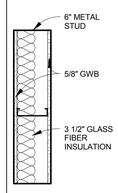
4 1/4"

F PARTITION TYPE

(N) INTERIOR ACOUSTIC METAL STUD PLUMBING WALL

MATCH TYPE B EXCEPT:

FRICTION FIT 3 1/2" GLASS FIBER INSULATION IN STUD SPACE.



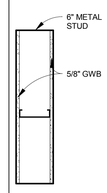
7 1/4"

B PARTITION TYPE

(N) INTERIOR METAL STUD PARTITION

MATCH TYPE A EXCEPT:

USE 6" STUDS



7 1/4"

N PARTITION TYPE

(E) PARTITION

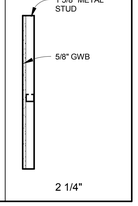
INFILL (E) WALL WHERE OPENINGS ARE DEMOLISHED. MATCH (E) CONSTRUCTION AND PATCH FOR MONOLITHIC APPEARANCE.

WIDTH VARIES - V.I.F.

J PARTITION TYPE

(N) INTERIOR FURRING

ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO ONE SIDE OF 1 5/8", 20 GA. STEEL STUDS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT WALL PERIMETER AND INTERMEDIATE STUDS. JOINTS STAGGERED 24".



2 1/4"

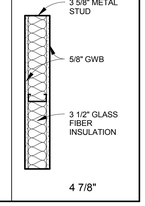
E PARTITION TYPE

(N) INTERIOR ACOUSTIC METAL STUD PARTITION

MATCH TYPE A EXCEPT:

FRICTION FIT 3 1/2" GLASS FIBER INSULATION IN STUD SPACE.

45-49 STC RATING

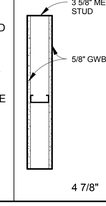


4 7/8"

A PARTITION TYPE

(N) INTERIOR METAL STUD PARTITION

ONE LAYER 5/8" GYPSUM WALLBOARD APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 3 5/8", 20 GA. STEEL STUDS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT WALL PERIMETER AND INTERMEDIATE STUDS. JOINTS STAGGERED 24" ON OPPOSITE SIDES.



4 7/8"

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

Hilliard ARCHITECTS
251 Post Street, Suite 620
San Francisco, CA 94108-5017
Tel 415 989 6400, Fax 415 989 3056
www.HilliardArchitects.com

Drawing Title: **PARTITION SCHEDULE AND DETAILS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A9.21**

Dwg. **72** of **75**

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

EQUIPMENT SCHEDULE

TYPE MARK	DESCRIPTION	FURNISHED / INSTALLED	MANUFACTURER	MODEL	TYPE COMMENTS
EQ-1	FLOOR MOUNTED CHECK-IN KIOSK	CONTRACTOR	VECNA	44-0121-001	FS KIOSK V7
EQ-2	DESKTOP CHECK-IN KIOSK	CONTRACTOR	VECNA	44-0123-001	VECNA DT KIOSK V7
EQ-3	PATIENT EDUCATION STATION	OWNER			
EQ-4	PRINTER/COPIER	OWNER			
EQ-5	TELEPHONE KIOSK	CONTRACTOR	REDY REF	MK SERIES 3310	FREESTANDING TELEPHONE KIOSK
EQ-7	QUEUING NUMBER DISPLAY	OF / CI			(E) TO BE RELOCATED
EQ-10	MONITOR ARM	OWNER			CONTRACTOR TO PROVIDE GROMMET AT COUNTERTOP
EQ-11	CPU HOLDER	CONTRACTOR	MOCKETT	CPU2A	MATTE BLACK SLIDING UNIVERSAL CPU HOLDER
EQ-12	KEYBOARD TRAY	OWNER	WORKRITE ERGONOMICS, INC.	BANANA BOARD	17" TRACK LENGTH, WITH WRISTPAD
EQ-13	COMPUTER WORKSTATION, WALL MOUNTED	CONTRACTOR			
EQ-14	MOBILE PHLEBOTOMY CABINET	OWNER	MarketLab Inc.	ML6938	Phlebotomy mobile all-in-one cabinet
EQ-15	POWER BLOOD DRAW CHAIR	OWNER	Custom Comfort	1202-LU/AP	Furniture
EQ-16	RECLINING PHLEBOTOMY CHAIR	OWNER	Custom Comfort	BA1508	Furniture
EQ-17	BARIATRIC BLOOD DRAW CHAIR	OWNER	Custom Comfort	1202-LXL/AP	Furniture
EQ-20	OMNICELL (1 BAY)	OF / CI	OMNICELL, INC.		(E) TO BE RELOCATED
EQ-21	OMNICELL (2 BAYS)	CONTRACTOR	OMNICELL, INC.	TWO-CELL MAIN CABINET	
EQ-22	REFRIGERATOR	OF / CI			(E) TO BE RELOCATED
EQ-23	ICE MACHINE	OF / CI			(E) TO BE RELOCATED
EQ-24	SECURITY CAMERA	OF / CI			(E) TO BE RELOCATED
EQ-25	NURSE CALL STATION	OF / CI			(E) TO BE REINSTALLED AT SAME LOCATION

ROOM FINISH SCHEDULE

				FLOOR		WALLS				CEILING		
DEPARTMENT	RM. NO.	NAME	AREA	FINISH	BASE	NORTH	EAST	SOUTH	WEST	MATERIAL	GYP. BD. SOFFIT	NOTES
MAIN LOBBY	1001	MAIN LOBBY	904 SF		VARIES	P-1	P-1	WALL PANEL 1 & 2	P-1	ACT	P-2	FLOOR BASE: SEE ELEVATIONS
MAIN LOBBY	1001A	PATIENT ED.	35 SF		4" RUBBER	P-1	P-2	N/A	P-1	GYP.BD.	P-2	
MAIN LOBBY	1001B	PATIENT ED.	35 SF		4" RUBBER	P-1	P-1	N/A	P-2	GYP.BD.	P-2	
MAIN LOBBY	1006	(E) HALLWAY	187 SF		4" RUBBER	P-1	P-1	N/A	P-1	ACT	N/A	
MAIN LOBBY	1007A	HALLWAY	52 SF		4" RUBBER	P-1	P-1	N/A	P-1	ACT	N/A	
MAIN LOBBY	A102	(E) POLICE	119 SF		4" RUBBER	N/A	N/A	P-1	P-1	N/A	N/A	
MAIN LOBBY	A108	ADMIN.	72 SF		4" RUBBER	P-1	P-1	P-1	P-1	ACT	N/A	
MAIN LOBBY	A109A	TRIAGE	122 SF		4" RUBBER	P-1; WP-1	P-1; WP-1	P-1; WP-1	P-1; WP-1	ACT	N/A	
MAIN LOBBY	A109B	INTERVIEW	101 SF		4" RUBBER	P-2; WP-2	P-2; WP-2	P-2; WP-2	P-2; WP-2	ACT	N/A	
MAIN LOBBY	A110	MAIN RECEPTION	176 SF		4" RUBBER	P-2	N/A	N/A	N/A	ACT	P-2	
MAIN LOBBY	A111	URGENT CARE WAITING	122 SF		4" RUBBER	P-1	P-1	P-1	N/A	GYP.BD.	P-2	
PRIMARY CARE	1042	PRIMARY CARE LOBBY	1645 SF		4" RUBBER	N/A	VWC-1	VWC-1	VWC-1	N/A	N/A	
PRIMARY CARE	1046	(E) HALLWAY	96 SF		4" RUBBER	P-1	N/A	N/A	N/A	ACT	N/A	
PRIMARY CARE	1047	(E) HALLWAY	141 SF		4" RUBBER	N/A	P-1	N/A	N/A	N/A	N/A	
PRIMARY CARE	1074	(E) HALLWAY	98 SF		4" RUBBER	N/A	P-1	N/A	P-1	N/A	N/A	
PRIMARY CARE	B102	PRIMARY CARE RECEPTION	396 SF		4" RUBBER	VWC-1	P-1	P-1	P-1	ACT	P-2	
PRIMARY CARE	B130	BLOOD DRAW	171 SF		4" RUBBER	P-1; WP-1	P-1; WP-1	P-1; WP-1	P-1; WP-1	ACT	N/A	
RECEPTION A	1136	RECEPTION A	173 SF									RETOUCH (E) FINISHES
RECEPTION D	2010	(E) HALLWAY	844 SF		N/A	N/A	N/A	N/A	N/A	N/A	N/A	
RECEPTION D	B216	(E) RECEPTION	187 SF		4" RUBBER	P-1	P-1	P-1	P-1	ACT	P-2	
URGENT CARE	1096	(E) HALLWAY	197 SF		4" RUBBER	N/A	P-1	N/A	N/A	N/A	N/A	
URGENT CARE	1097	(E) HALLWAY	429 SF		N/A	N/A	N/A	P-1	N/A	N/A	N/A	
URGENT CARE	1099	(E) HALLWAY	350 SF		4" RUBBER	N/A	P-1	N/A	N/A	ACT	N/A	
URGENT CARE	1100	(E) HALLWAY	132 SF		N/A	N/A	N/A	N/A	N/A	ACT	N/A	
URGENT CARE	1100A	(N) TECH ALCOVE	41 SF		4" RUBBER	P-1	P-1	N/A	P-1	ACT	N/A	
URGENT CARE	C108	(E) EXAM	114 SF		4" RUBBER	P-1	N/A	N/A	P-1	N/A	N/A	
URGENT CARE	C122A	MED STOR.	54 SF		4" RUBBER	N/A	N/A	P-1	P-1	ACT	N/A	
URGENT CARE	C122B	STORAGE	48 SF		4" RUBBER	P-1	N/A	P-1	P-1	ACT	N/A	
URGENT CARE	C123	URGENT CARE NURSE STATION	378 SF		4" RUBBER	P-1	P-1	P-1	P-1	N/A	P-2	

FINISH MATERIALS

Key Name	Material	Manufacturer	Pattern/Finish	Color	Number	Dimension	Notes
P-1	PAINT						
P-2	PAINT						
P-3	PAINT						
VWC-1	VINYL WALL COVERING	KOROSEAL					
WALL PANEL 1							AT MAIN LOBBY ONLY
WALL PANEL 2							AT MAIN LOBBY ONLY
WP-1	WALL PROTECTION						
WP-2	WALL PROTECTION						
ACT	ACOUSTICAL CEILING TILE						
GYP. BD.	GYPSUM BOARD						
4" BASE	RUBBER						
8" BASE	STAINLESS STEEL		BRUSHED				AT MAIN LOBBY ONLY

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions: | Date

CONSULTANTS:

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Drawing Title: **FINISH SCHEDULE, EQUIPMENT SCHEDULE, AND DETAILS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A9.41**

Dwg. **74** of **75**

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

three inches = one foot

one and one half inches = one foot

one inch = one foot

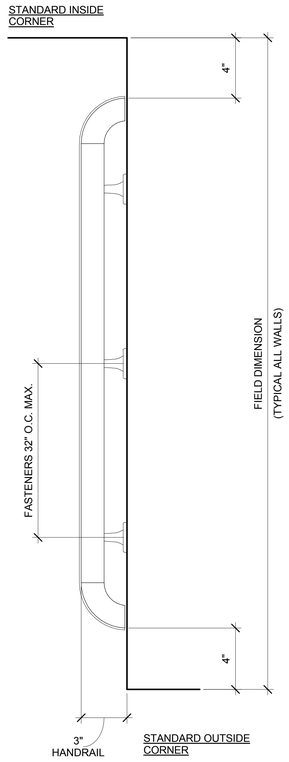
three quarters inch = one foot

one half inch = one foot

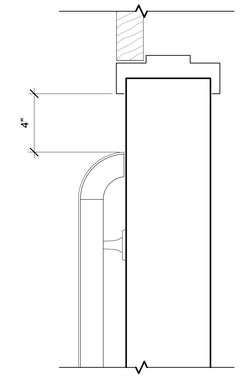
three eighths inch = one foot

one quarter inch = one foot

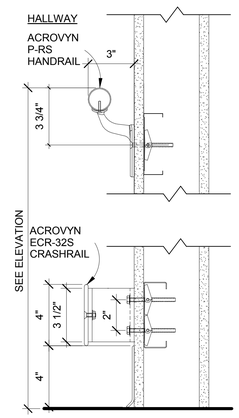
one eighth inch = one foot



57 HANDRAIL AT CORNERS
3" = 1'-0"



38 HANDRAIL @ DOOR JAMB
3" = 1'-0"



58 HANDRAIL SECTION
3" = 1'-0"

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

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Drawing Title: **GENERAL DETAILS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A9.51**

Dwg. **76** of **75**

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

01 SUSPENDED CEILING NOTES

#12 GA (MIN.) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" X 4'-0" GRID SPACING ALONG MAIN RUNNERS. SPLICES ARE NOT PERMITED IN ANY HANGER WIRES.

PERIMETER HANGERS. THE TERMINAL ENDS OF EACH CROSS RUNNER AND MAIN RUNNER SHALL BE SUPPORTED INDEPENDANTLY A MAXIMUM OF 8 INCHES FROM EACH WALL OR CEILING DISCONTINUITY WITH #12 GA WIRE OR APPROVED WALL SUPPORT.

PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 10º (1 IN 6) OUT OF PLUMB ARE TO HAVE COUNTER-SLOPING WIRES.

CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2" CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS-RUNNERS SHOULD BE FREE WITH A MINIMUM OF 1/2" CLEAR AT WALLS.

AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNER IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.

PROVIDE SETS OF FOUR (4) #10 GA SPLAYED BRACING WIRES ORIENTED 90º FROM EACH OTHER AT NOT MORE THAN 8'-0" BY 12'-0" O.C. PROVIDE BRACING WIRES AT LOCATIONS NOT MORE THAN 1/2 OF THIS SPACING FROM EACH PERIMETER WALL AND AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHALL NOT EXCEED 45º FROM A HORIZONTAL PLANE AND SHALL BE TAUT WITHOUT CAUSING THE STRUCTURE TO LIFT. COMPRESSION STRUTS ATTACHED TO THE CEILING AND THE STRUCTURE SHALL BE PROVIDED AT BRACING POINTS. DO NOT SPLICE BRACING WIRES.

NOTE: ROOMS WITH A CEILING AREA LESS THAN 96 S.F. AND SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE DO NOT REQUIRE BRACING WIRES WITH COMPRESSION STRUTS WHEN ATTACHED TO TWO ADJACENT WALLS.

FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN BRACING WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1-1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.

NOTE: WIRE TURNS MADE BY MACHINE WHERE BOTH STRANDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN WAIVE THE 1-½" REQUIREMENT, BUT THE NUMBER OF TURNS SHALL BE MAINTAINED, AND BE AS TIGHT AS POSSIBLE.

SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING ACCEPTABLE CONNECTORS.

WHEN DRILLED-IN CONCRETE ANCHORS OR SHOT-IN ANCHORS ARE USED IN REINFORCED CONCRETE INCLUDING CONCRETE FILLED METAL DECKING FOR HANGER WIRES, 1 OUT OF 10 MUST BE FIELD TESTED FOR 200 POUNDS OF TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 MUST BE FIELD TESTED FOR 440 POUNDS IN TENSION. AS AN OPTION, DRILLED ANCHORS MAY BE TORQUE TESTED PER WEDGE ANCHOR IN CONCRETE DETAIL 27 (THIS SHEET).
SHOT-IN ANCHORS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES. IF ANY SHOT-IN OR DRILLED-IN ANCHOR FAILS, SEE SECTION 1925B.3.5, TITLE 24, CCR.

NOTE: DRILLED-IN OR SHOT-IN ANCHORS REQUIRE APPROVAL OF ENGINEER OF RECORD WHEN USED IN PRE-STRESSED CONCRETE.

ATTACH ALL LIGHT FIXTURES AND CEILING MOUNTED AIR TERMINALS OR SERVICES TO THE CEILING GRID MAIN RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES. SCREWS OR APPROVED FASTENERS ARE REQUIRED.

FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF ONE #12 GA SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT EACH CORNER AND ANCHORED TO THE STRUCTURE ABOVE.

ALL FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING 56 LBS. OR MORE MUST BE INDEPENDANTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT # 12 GA WIRES, ATTACHED TO THE HOUSING AND TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT # 12 GA WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.

CEILING SUSPENSION SYSTEM SHALL BE HEAVY DUTY, EXCEPT AS OTHERWISE SPECIFIED. USE SAME CONSTRUCTION FOR CROSS RUNNERS AS MAIN RUNNERS. PREVENT DEFLECTION IN EXCESS OF 1/360 OF SPAN OF CROSS RUNNER AND MAIN RUNNER. SPLICES OR INTERSECTIONS OF CROSS RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH END TABS OR OTHER APPROVED CONNECTORS. SUCH THROUGH CONNECTORS SHALL BE CAPABLE OF TRANSFERRING A MEAN ULTIMATE TENSILE/ COMPRESSION FORCE OF 180 POUNDS.

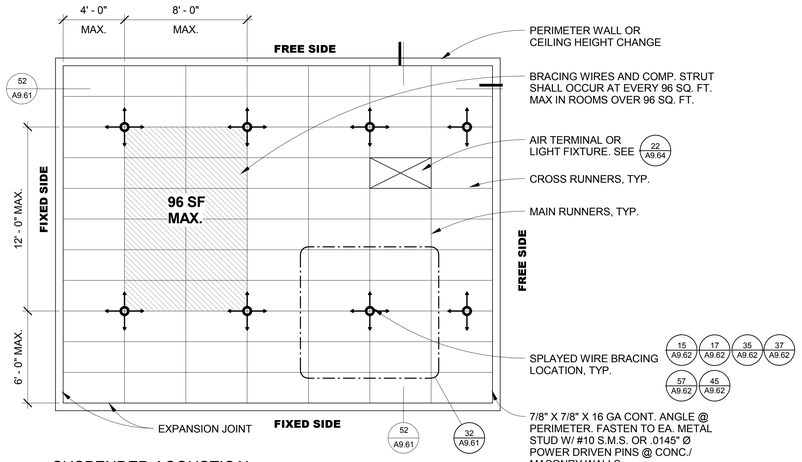
SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY A #12 GA WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT TO THE RUNNER ARE NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 FT. OR LONGER. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.

SUPPORT PENDANT-MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCE. IF THE PENDANT MOUNTED LIGHT FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, I.E. AIRCRAFT CABLES TO WALLS, THEN BRACE ASSEMBLY IS NOT REQUIRED ABOVE THE CEILING.

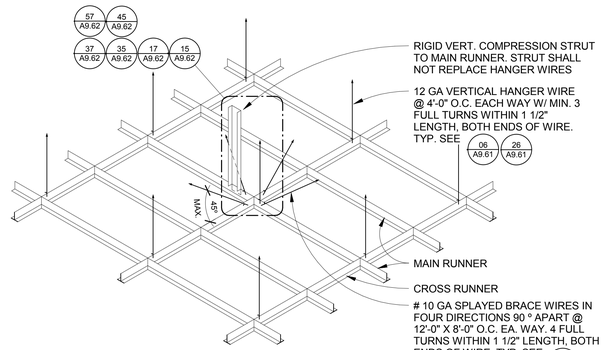
EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.

FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQUARE FEET.

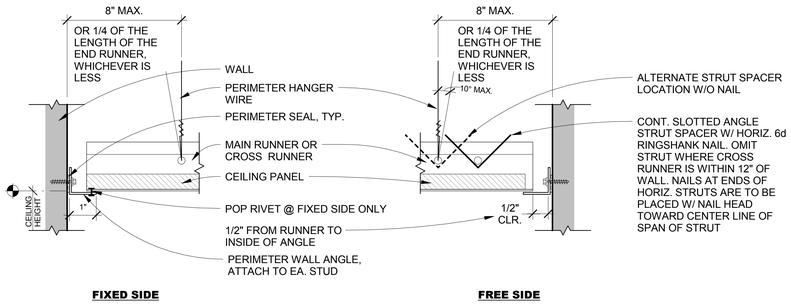
PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, PER ASTM E580 SECTION 5.2.8.8, A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE 1 INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER.



12 SUSPENDED ACOUSTICAL CEILING - TYPICAL CEILING PLAN
N.T.S.



32 TYPICAL COMPRESSION STRUT @ GRID ATTACHMENT
N.T.S.



52 CEILING PERIMETER WALL TO WALL SECTION
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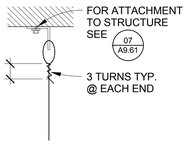

06 TYPICAL HANGER WIRE
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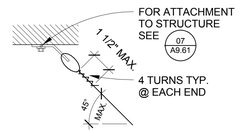
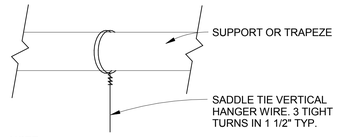


16 TYPICAL SPLAY BRACING WIRE
N.T.S.



NOTE:
1. SADDLE TIE REQUIRED FOR WIDTHS GREATER THAN 1/4".
2. DOUBLE LOOP ALL SADDLE TIES AT SUPPORTS, TYP.
3. WHEN MULTIPLE SADDLE TIES ARE REQUIRED THEY SHALL ALTERNATE BACK AND FORTH TO PREVENT TWISTING

26 TYPICAL SADDLE TIE
N.T.S.

07 CONNECTION TO STRUCTURE MATRIX

STRUCTURAL CONDITION	CONNECTION TYPE: TUBE STRUT	CHANNEL STRUT	HANGER WIRE	SPLAY BRACING WIRE
CONCRETE FILLED METAL DECK	06 A9.63, 08 A9.63	04 A9.63	28 A9.63, 24 A9.63	26 A9.63
METAL DECK AND NON STRUCTURAL FILL	32 A9.63, 34 A9.63, 36 A9.63	38 A9.63	56 A9.63, 58 A9.63	54 A9.63
CONCRETE SLAB, BEAM, OR JOIST	46 A9.64, 48 A9.64	44 A9.64	54 A9.64, 56 A9.64, 52 A9.64	58 A9.64, 42 A9.64
STRUCTURAL STEEL	18 A9.64, 14 A9.64	16 A9.64	26 A9.64	28 A9.64
OPEN WEB STEEL JOIST			12 A9.64	12 A9.64

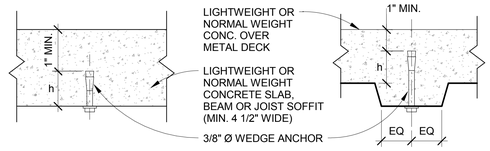
17 POWDER DRIVEN PINS IN STEEL

POWDER DRIVEN PINS IN STEEL

SHANK DIA. (in.)	MIN EMBED. (in.)	STRUCTURAL STEEL A36 OR A572 TENSION (lb.)	SHEAR (lb.)
0.145 MIN.	3/16"	132	292
	1/4"	212	372
	3/8"	240	528

NOTES:
1. MINIMUM SPACING BETWEEN PINS = 1 1/2" O.C.
2. MINIMUM EDGE DISTANCE = 1/2".
3. PINS SHALL BE HILTI POWDER ACTUATED FASTENERS (ICBO # 2388) RAMSET/ REDHEAD POWDER ACTUATED FASTENERS (ICBO # 1639) OR APPROVED EQUIVALENT.
4. DESIGN VALUES LISTED ABOVE ARE BASED UPON 80% OF ICBO DESIGN VALUES FOR PINS DRIVEN INTO A36 OR A572 STEEL. THESE VALUES ARE LISTED ONLY FOR COMPARISON TO 80% OF ICBO VALUES OF EQUIVALENT SUBSTITUTES.
5. POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) OR POWER ACTUATED FASTENERS (PAF) ARE ALL EQUIVALENT NAMING CONVENTIONS AND MAY BE USED TO DESCRIBE THE FASTENERS REFERRED TO HERE.

27 WEDGE ANCHORS IN CONCRETE



h = 1 1/2" MIN. EMBEDMENT IN NORMAL WEIGHT CONCRETE.
h = 2 1/4" MIN EMBEDMENT IN LIGHT WEIGHT CONCRETE.

NOTES:

1. **PROOF LOAD TESTS FOR EXPANSION TYPE BOLTS;** ALL CONCRETE ANCHOR BOLTS OF THE EXPANSION TYPE (LOADED IN EITHER PULLOUT OR SHEAR) SHALL HAVE 50% OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT) PROOF TESTED OR TORQUED AS NOTED IN THE DRILLED BOLT SCHEDULE. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
   DIRECT TENSION METHOD: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE 850 LBS. TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.
   TORQUE WRENCH METHOD: TORQUE SHALL BE APPLIED WITH A CALIBRATED TORQUE 'WRENCH, AND THREAD CONDITION OF ANCHOR SHALL BE CHECKED FOR DAMAGE PRIOR TO TESTING. THE 25 FOOT LBS. TEST TORQUE MUST BE REACHED WITHIN ONE-HALF (1/2) TURN OF THE NUT.
   IF THERE ARE FAILURES, THE IMMEDIATELY ADJACENT BOLTS MUST BE TESTED UNTIL TWENTY (20) CONSECUTIVE PASS, THEN RESUME THE INITIAL TESTING FREQUENCY. FAILED ANCHORS SHALL BE REMOVED AND REPLACED UNLESS OTHERWISE DIRECTED BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. FILL EMPTY ANCHOR HOLES AND PATCH FAILED ANCHOR LOCATIONS WITH HIGH STRENGTH, NON-SHRINK, NON-METALLIC GROUT.
2. WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING NON-PRE-STRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRE-STRESSED CONCRETE (PRE -OR POST TENSIONED), LOCATE THE PRE-STRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MIN. CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED ANCHOR. NOTE: USE OF ANCHORS IN PRE-STRESSED CONCRETE REQUIRE APPROVAL OF ENGINEER OF RECORD.

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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Drawing Title: **CEILING ASSEMBLY DETAILS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A9.61**

Dwg. **78** of **75**

Office of Construction and Facilities Management

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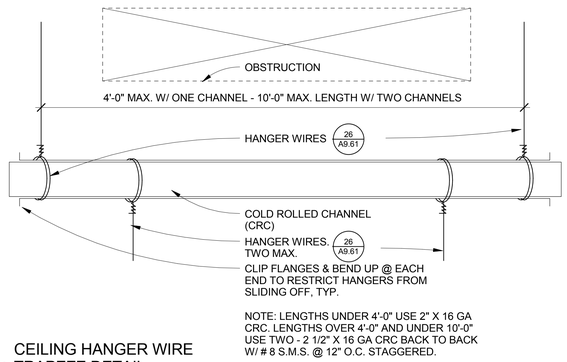
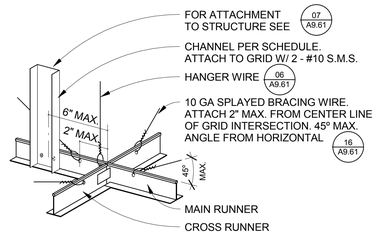
VA FORM 08-6231



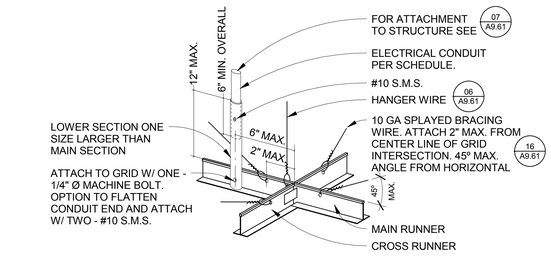
NOTE: LENGTHS UNDER 4'-0" USE 2" X 16 GA CRC. LENGTHS OVER 4'-0" AND UNDER 10'-0" USE TWO - 2 1/2" X 16 GA CRC BACK TO BACK W/ # 8 S.M.S. @ 12" O.C. STAGGERED.

12 CEILING HANGER WIRE TRAPEZE DETAIL
N.T.S.



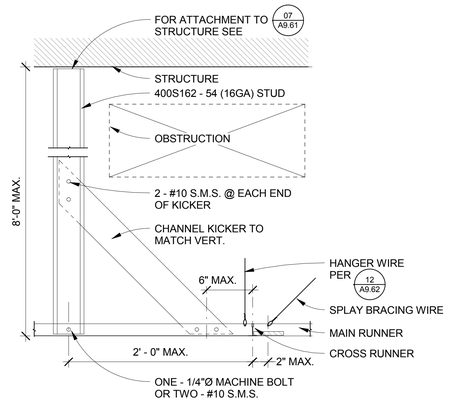
CHANNEL COMPRESSION STRUT SCHEDULE	
LENGTH	CHANNEL
≤ 2'-0"	1 1/2" X 9/16" X 16 GA C.RC
≤ 6'-0"	250T125 - 33 (20GA) TRACK
≤ 8'-0"	400S137 - 33 (20GA) STUD

15 COMPRESSION STRUT - CHANNEL TYPE
N.T.S.



COMPRESSION STRUT ELECTRICAL CONDUIT TUBE SCHEDULE		
LENGTH	Ø	THICKNESS
4' - 0"	3/4"	0.046"
5' - 6"	1"	0.054"
7' - 0"	1 1/4"	0.061"

17 COMPRESSION STRUT - TUBE TYPE
N.T.S.



35 COMPRESSION STRUT - CHANNEL TYPE WITH KICKER @ OBSTRUCTION
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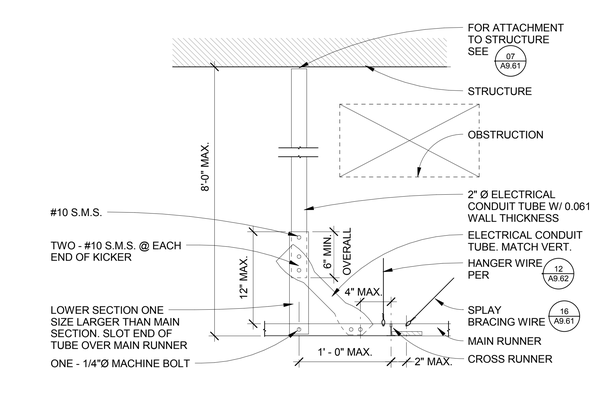

37 COMPRESSION STRUT - TUBE TYPE WITH KICKER @ OBSTRUCTION
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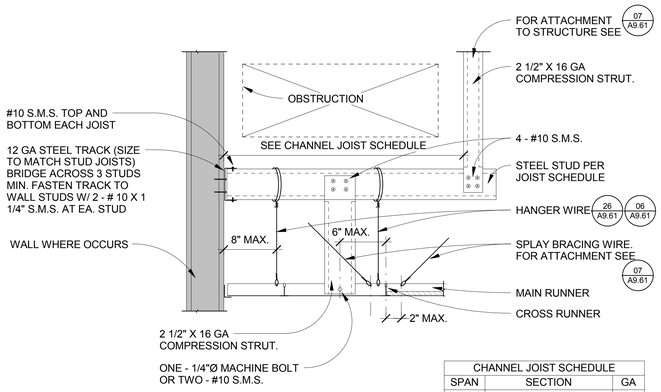
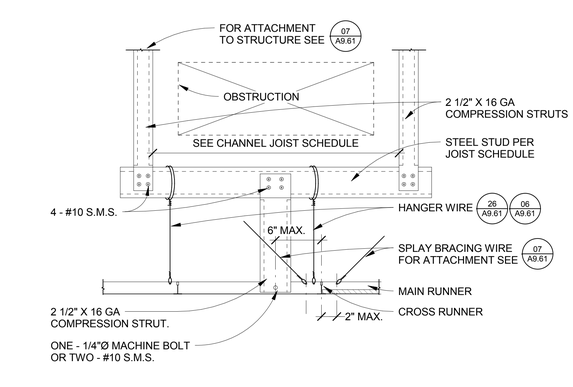


CHANNEL JOIST SCHEDULE		
SPAN	SECTION	GA
8 FT	1 1/2" X 16 GA C.R.C.	16
6 FT	DBL 250S137 - 33 STUD	16
8 FT	DBL 362S137 - 33 STUD	18
10 FT	DBL 400S162 - 43 STUD	20
12 FT	DBL 600S162 - 54 STUD	20

NOTE: AT DBL STUDS, PLACE BACK TO BACK W/ # 8 S.M.S. @ 12" O.C. STAGGERED

45 COMPRESSION STRUT - JOIST TO WALL @ OBSTRUCTION
N.T.S.



57 COMPRESSION STRUT - TRAPEZE @ OBSTRUCTION
N.T.S.

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:
Hilliard ARCHITECTS
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Drawing Title: **CEILING ASSEMBLY DETAILS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A9.62**

Dwg. **80** of **75**

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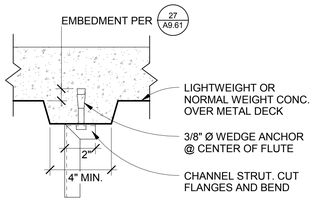
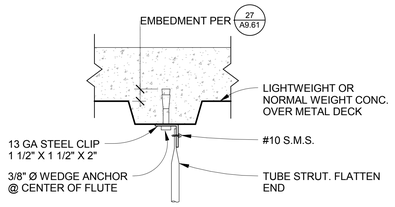
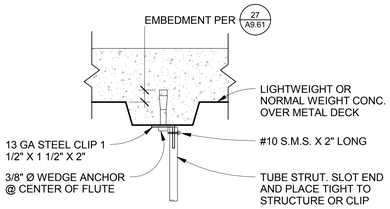


CEILING STRUT CONNECTION- CHANNEL @ CONC. FILLED METAL DECK
04 N.T.S.



CEILING STRUT CONNECTION OPTION 1 @ CONC. FILLED METAL DECK
06 N.T.S.



CEILING STRUT CONNECTION OPTION 3 @ CONC. FILLED METAL DECK
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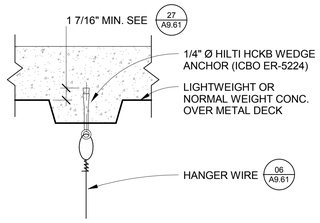
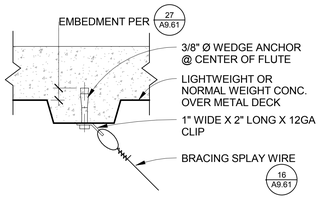


CEILING HANGER WIRE OPTION 2 @ CONC. FILLED METAL DECK
24 N.T.S.



CEILING BRACING WIRE @ CONC. FILLED METAL DECK
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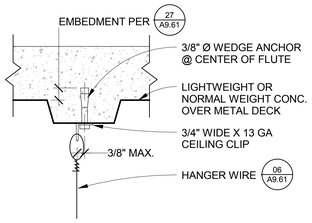
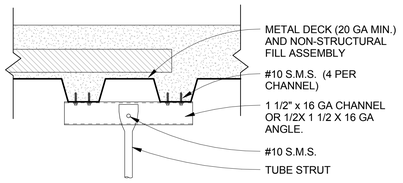
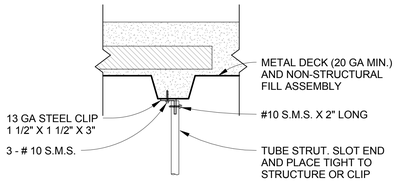


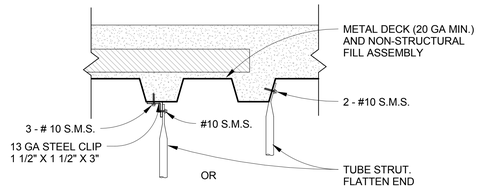
CEILING HANGER WIRE OPTION 1 @ CONC. FILLED METAL DECK
28 N.T.S.



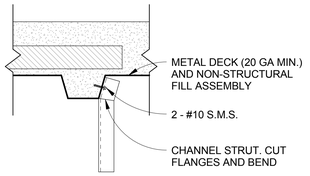
CEILING STRUT CONNECTION OPTION 3 @ METAL DECK
32 N.T.S.



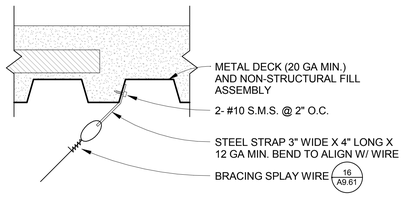
CEILING STRUT CONNECTION OPTION 1 @ METAL DECK
34 N.T.S.



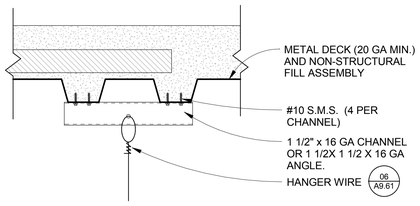
CEILING STRUT CONNECTION OPTION 2 @ METAL DECK
36 N.T.S.



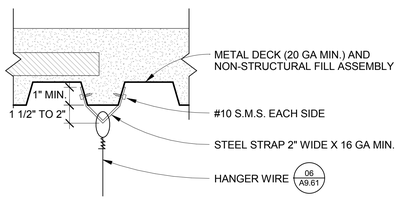
CEILING STRUT CONNECTION @ METAL DECK
38 N.T.S.



CEILING BRACING WIRE @ WIRE AT METAL DECK
54 N.T.S.



CEILING HANGER WIRE OPTION 1 @ METAL DECK
56 N.T.S.



CEILING HANGER WIRE OPTION 2 @ METAL DECK
58 N.T.S.

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Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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www.HilliardArchitects.com

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Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A9.63**

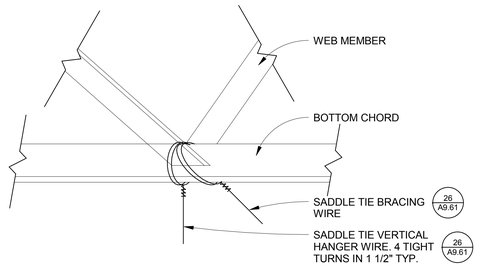
Dwg. **82** of **75**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Office of Construction and Facilities Management

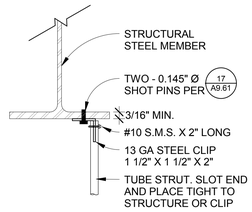
Department of Veterans Affairs

VA FORM 08-6231

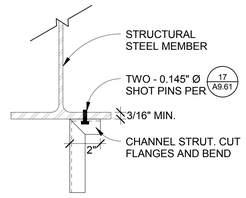


NOTE: BRACE WIRES PARALLEL TO JOIST. BRACE WIRES CAN NOT BE PERPENDICULAR TO JOIST

12 CEILING HANGER WIRE AT OPEN WEB STEEL JST
N.T.S.



14 CEILING STRUT CONNECTION - OPTION 2 @ STEEL BEAM
N.T.S.



16 CEILING STRUT CONNECTION - CHANNEL @ STEEL BEAM
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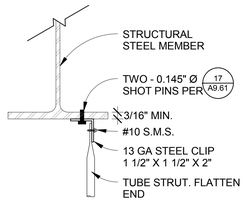
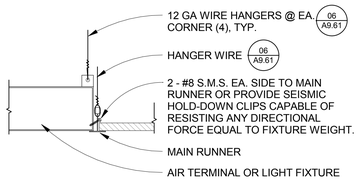


18 CEILING STRUT CONNECTION - OPTION 1 @ STEEL BEAM
N.T.S.



22 LIGHT FIXTURE / AIR TERMINAL SUPPORT AT CEILING DETAIL
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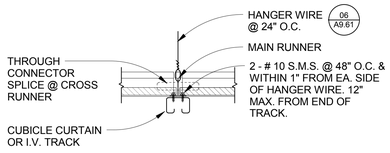

24 CURTAIN SUPPORT AT CEILING DETAIL
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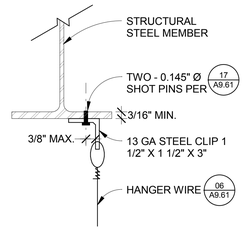

26 CEILING HANGER WIRE AT STEEL BEAM
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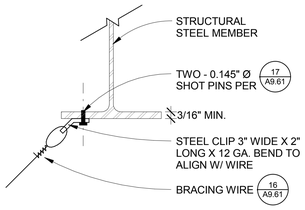

28 CEILING BRACING WIRE AT STEEL BEAM
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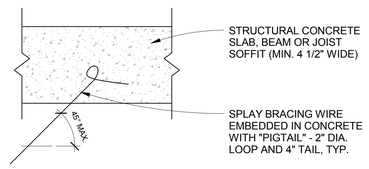
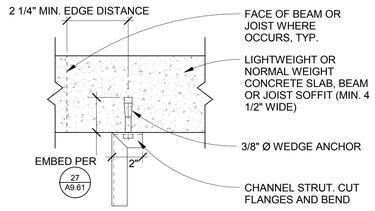


42 CEILING BRACING WIRE_PIGTAIL @ CONCRETE SLAB
N.T.S.



44 CEILING STRUT CONNECTION- CHANNEL @ CONCRETE SLAB, BEAM, JOIST SOFFIT
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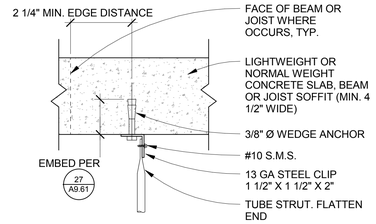

46 CEILING STRUT CONNECTION- OPTION 1 @ CONCRETE SLAB, BEAM, JOIST SOFFIT
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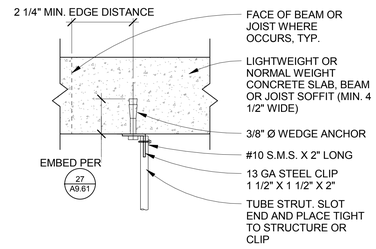

48 CEILING STRUT CONNECTION- OPTION 2 @ CONCRETE SLAB, BEAM, JOIST SOFFIT
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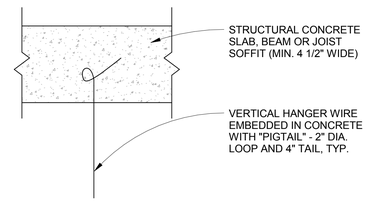

52 CEILING HANGER WIRE_PIGTAIL @ CONCRETE SLAB
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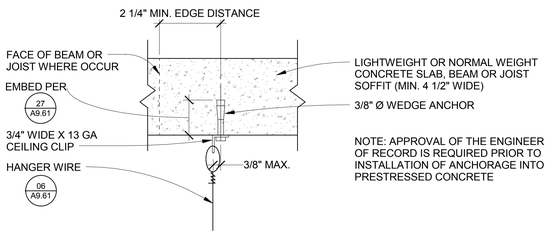

54 CEILING HANGER WIRE_OPTION 1 @ CONCRETE SLAB
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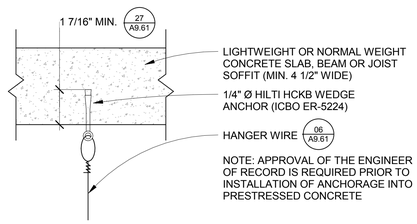

56 CEILING HANGER WIRE_OPTION 2 @ CONCRETE SLAB
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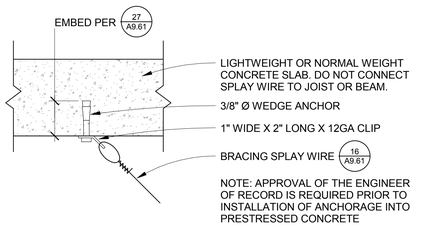

58 CEILING BRACING WIRE AT CONCRETE SLAB
N.T.S.

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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Drawing Title: **CEILING ASSEMBLY DETAILS**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **MU, NM, LH**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A9.64**

Dwg. **84** of **75**

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Department of Veterans Affairs

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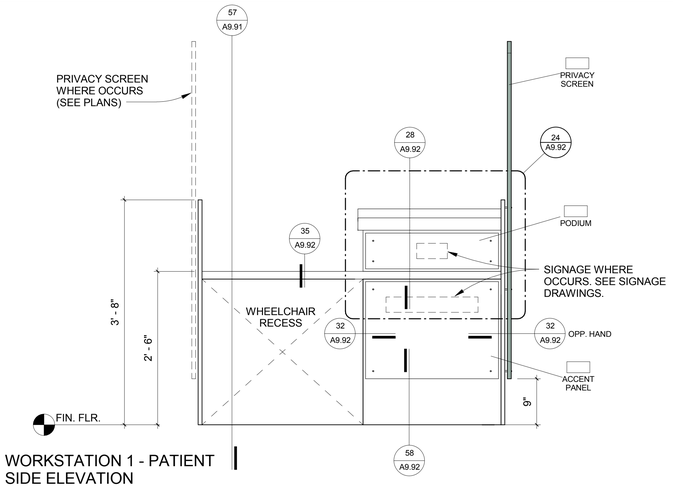
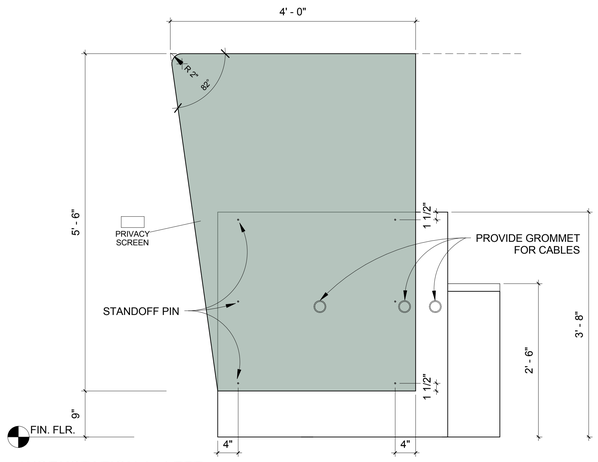


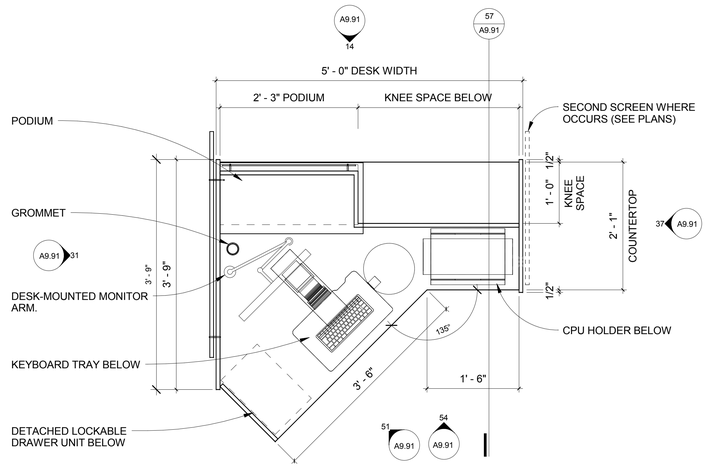
14 WORKSTATION 1 - PATIENT SIDE ELEVATION

CASEWORK NOTES (TYP.)

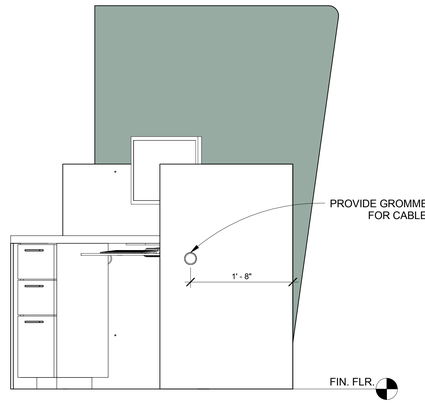
1. FOR WORKSTATION 1, SEE SHEET A9.91
2. COUNTERTOP: SOLID POLYMER MATERIAL
3. CABINET BOXES: SOLID PHENOLIC PANELS, FOR THICKNESS SEE DETAILS
4. ACCENT PANELS: SOLID PHENOLIC PANELS, 1/4" THICK
5. PRIVACY SCREEN: TRANSLUCENT RESIN PANELS, 1/2" THICK U.O.N.
6. SCREEN STANDOFF: 5/8"Ø ALUM. SLEEVE STANDOFF W/ S.ST. SCREWS
7. SCREEN POLES AND BRACKETS: ALUM. "VERSA" HARDWARE FROM 3FORM



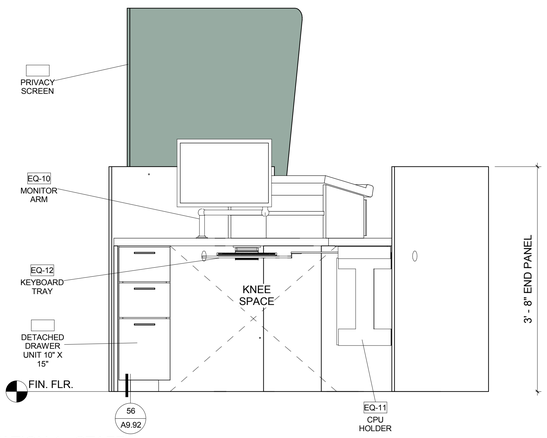
31 WORKSTATION 1 - LEFT ELEVATION



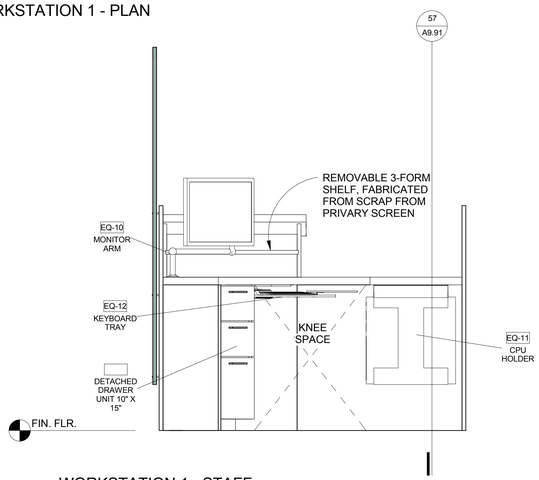
34 WORKSTATION 1 - PLAN



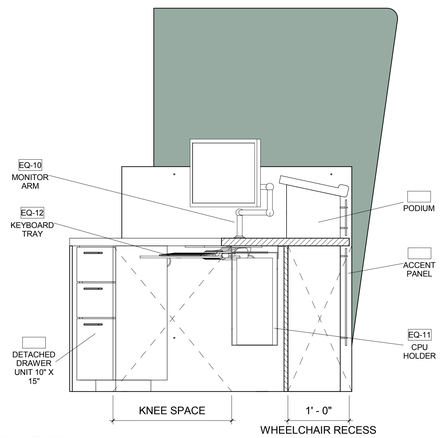
37 WORKSTATION 1 - RIGHT ELEVATION



51 WORKSTATION 1 - STAFF SIDE ELEVATION A



54 WORKSTATION 1 - STAFF SIDE ELEVATION B



57 WORKSTATION 1 - SECTION

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Drawing Title	CASEWORK DETAILS - WORKSTATION 1
Approved: Project Director	
Project Title	VA MTZ B19 OPC INTERIORS PHASE 2
Location	VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553
Date	03.10.2014
Checked	K.T.
Drawn	Author
Project Number	612-12-281FCA
Building Number	19
Drawing Number	A9.91
Dwg.	86 of 75

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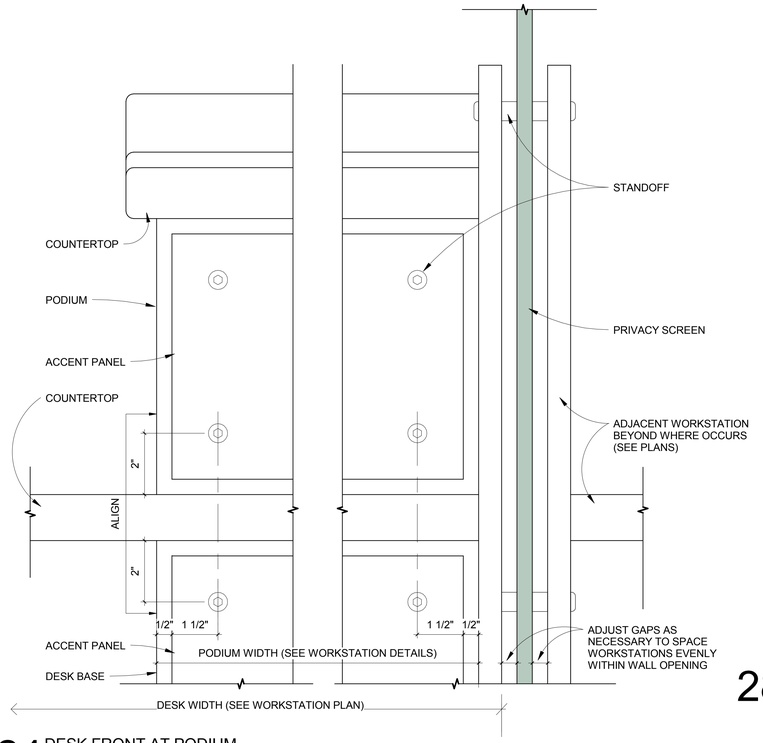
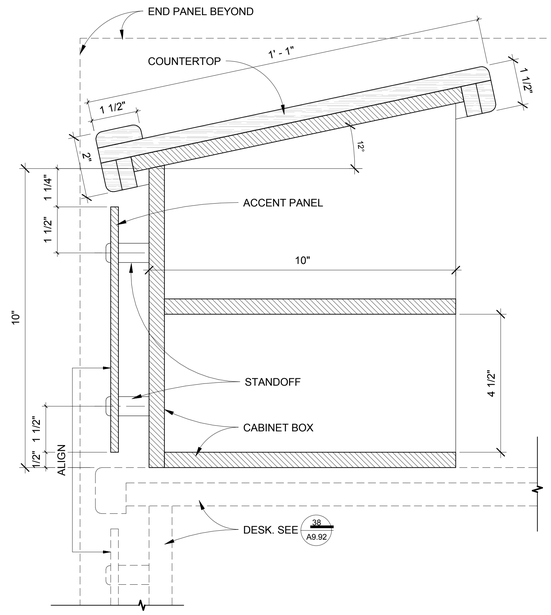
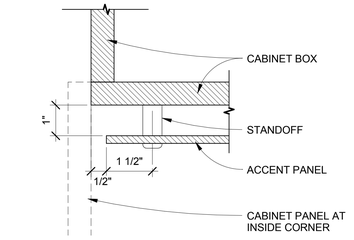


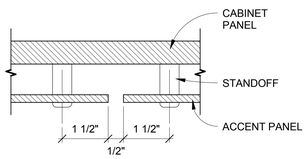
24 DESK FRONT AT PODIUM



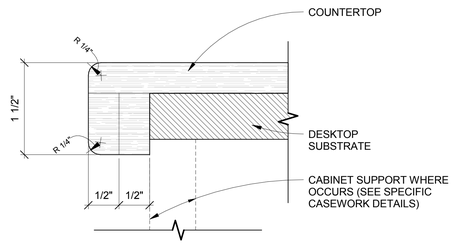
28 PODIUM SECTION



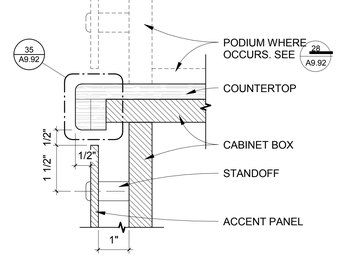
32 ACCENT PANEL AT CORNER



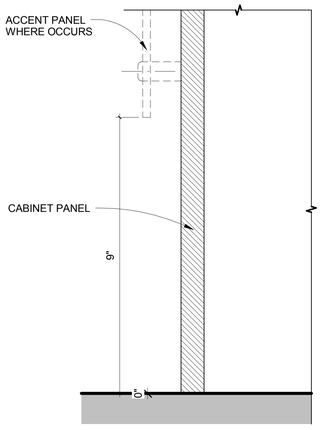
33 ACCENT PANEL JOINT



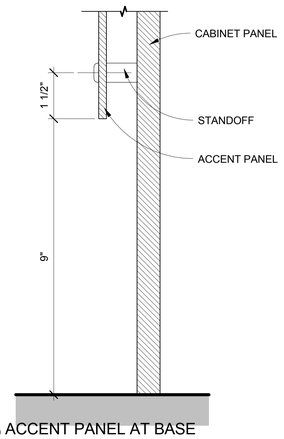
35 COUNTERTOP EDGE (TYP.)



38 ACCENT PANEL AT COUNTERTOP



56 WORKSTATION CABINET AT BASE



58 ACCENT PANEL AT BASE

CASEWORK NOTES (TYP.)

1. FOR WORKSTATION 1, SEE SHEET A9.91
2. COUNTERTOP: SOLID POLYMER MATERIAL
3. CABINET BOXES: SOLID PHENOLIC PANELS, FOR THICKNESS SEE DETAILS
4. ACCENT PANELS: SOLID PHENOLIC PANELS, 1/4" THICK
5. PRIVACY SCREEN: TRANSLUCENT RESIN PANELS, 1/2" THICK U.O.N.
6. SCREEN STANDOFF: 5/8"Ø ALUM. SLEEVE STANDOFF W/ S.ST. SCREWS
7. SCREEN POLES AND BRACKETS: ALUM. "VERSA" HARDWARE FROM 3FORM

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions: | Date

CONSULTANTS:

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Drawing Title: **CASEWORK DETAILS - TYPICAL**

Approved: Project Director

Project Title: **VA MTZ B19 OPC INTERIORS PHASE 2**

Location: **VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553**

Date: **03.10.2014** | Checked: **K.T.** | Drawn: **Author**

Project Number: **612-12-281FCA**

Building Number: **19**

Drawing Number: **A9.92**

Dwg. **88** of **75**

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

CASEWORK NOTES (TYP.)

1. FOR WORKSTATION 1, SEE SHEET A9.91
2. COUNTERTOP: SOLID POLYMER MATERIAL
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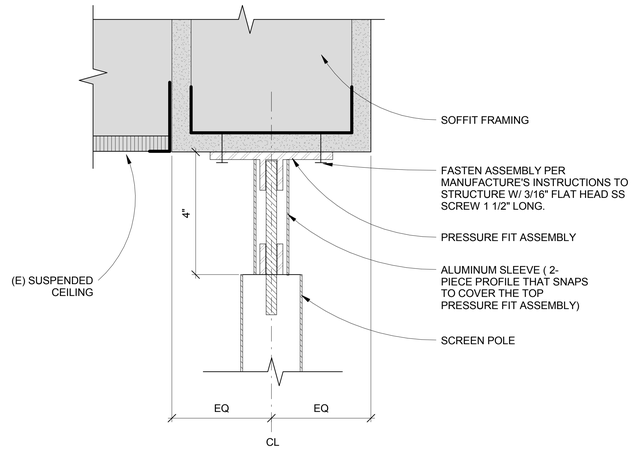
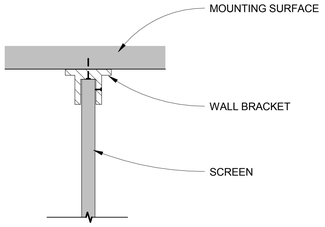
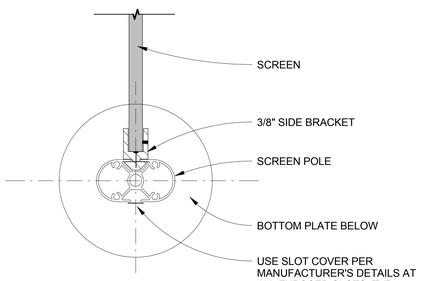


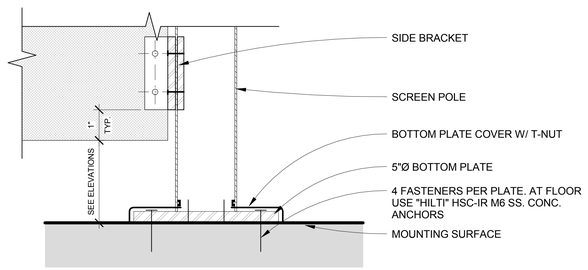
14 SCREEN TOP ATTACHMENT AT SOFFIT



42 SCREEN ATTACHMENT AT BRACKET



52 SCREEN ATTACHMENT AT POLE



54 SCREEN BASE ATTACHMENT

NOTE:
ALL COMPONENTS OF THE ALUMINUM MOUNTING SYSTEM FOR THE SCREENS TO BE SINGLE SOURCED FROM ONE MANUFACTURE.

FINAL BID DOCUMENTS FOR PRIMARY CARE AND BLOOD DRAW

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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Drawing Title	SCREEN DETAILS - TYPICAL
Approved: Project Director	
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Location	VANCHCS, MARTINEZ CAMPUS 150 MUIR RD., MARTINEZ, CA 94553
Date	03.10.2014
Checked	K.T.
Drawn	P.M. L.K.
Project Number	612-12-281FCA
Building Number	19
Drawing Number	A9.93
Dwg.	90 of 75

Office of Construction and Facilities Management

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